Western Arctic Fish Collections 1983-1986: Sample-Processing Procedures and Basic Data on Individual Specimens

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ERRATA

Hecky, R.E., R.A. Bodaly, N.E. Strange, D.J. Ramsey, C. Anema and R.J.P. Fudge. 1987. Mercury bioaccumulation in yellow perch in limnocorrals simulating the effects of reservoir formation. Can. Data Rep. Fish. Aquat. Sci. 628: v + 158 p.

There is an error in Table 2 of this report. The column reporting Hg concentration in materials added to limnocorrals should be labelled $\mu g \cdot g^{-1}$ (micrograms per gram) instead of $mg \cdot g^{-1}$ (milligrams per gram). Consequently, the column next to it reporting the total mass of Hg added should be labelled mg (milligrams) rather than g (grams). The error also affects Table 10 of the same report. In Table 10 the mass of Hg added in the treatments should be reduced by a factor of 1000 and the corrected specific activity should be increased by 1000 for the first three treatments in the table, i.e. limnocorrals SP84-3, SD84-4 and LM84-5. Corrected Tables 2 and 10 are attached. On page 8 of this report, under the section headed "Annual Variability" the reference to Table 10 should read Table 11.

Table 2. Type, mass, nutrient composition, total mercury content, time of addition, and mass of total mercury in treatment materials added to the enclosures. na = no analysis.

Limnocorral	Treatment	Time of addition	Mass added (kg)		Nutrient ($mg \cdot g^{-1}$, dry wt)				Hg content ($\mu g \cdot g^{-1}$ dry wt)	Mass Hg added (mg)
			Wet	Dry	C	N	P	CO_3		
LM81-2	Sphagnum moss-peat	430 kg on June 21, remainder on June 24	565	63	419	3.9	0.4	na	0.10	6.3
PM81-3	Phosphorus as $NaH_2PO_4 \cdot 2H_2O$ Nitrogen as $NaNO_3$	P: four equal additions every second week	-	-	-	-	3.7[b]	-	-	-
		N: 4.1 g on June 21, remainder on July 15	-	-	-	7.5[c]	-	-	-	-
LS81-4	Bank clay	Weekly to maintain Secchi near 0.5 m	43	33	24	0.3	0.6	16	0.02	0.7
HS81-6	Bank clay	Weekly to maintain Secchi near 0.3 m	71	52	24	0.3	0.6	16	0.02	1.0
FM82-1	Enclosure located over a land surface flooded in 1976	June 27	-	-	-	-	-	-	-	-
LM82-3	Moss-peat	June 30	468	50	351	4.5	0.4	na	0.14	7.0
HM82-4	Moss-peat	June 30	936	100	351	4.5	0.4	na	0.14	14
HS82-7	Bank clay	Twice weekly to maintain Secchi near 0.35 m	74	50	17	0.5	0.6	13	0.04	2
DFM83-1	Surface of moss-peat bed disturbed to about 5 cm depth	June 29	-	-	-	-	-	-	-	-
SP83-2	Black spruce (Picea mariana) boughs <1 cm diameter	June 30	219	157						
LM83-3	Moss-peat	June 30	414	47	385[c]	4.2[c]	0.4[c]	na	0.09	4.2
LM83-7	Moss-peat	June 30	414	47	385[c]	4.2[c]	0.4[c]	na	0.09	4.3
LMS83-8	Moss-peat and lake bottom sediment	Moss-peat on June 30 and sediment added twice weekly to maintain Secchi near 0.4 m	394 157	44	385[c]	4.2[c]	0.4[c]	na	0.09	3.9
LMM84-1	Moss-peat	June 26	449	53	496	7.2	0.7	na	0.04	2.1
SP84-3	Black spruce boughs <1 cm diameter	June 26	58	31	529	5.0	0.7	na	0.03	0.9
SD84-4	Prairie sod	June 26	940	610	135	13.0	1.8	na	0.06	36.6
LM84-5	Moss-peat	June 26	449	53	486	7.2	0.7	na	0.04	2.1
CHg84-6	Mercury as $HgCl_2$	June 27	-	-	-	-	-	-	-	2.2

[a,b] Total mass (g) added.

[c] Means of analyses on material added in 1981 and 1982.

Table 10. Comparison of the specific activity of the ^{203}Hg spike (corrected for the mass of Hg added in the treatment materials) to the specific activity of ^{203}Hg in fish muscle at the end of the 1984 experiment. The corrected specific activity of the spike assumes that all of the Hg added in the treatments was available.

Limnocorral	Mass Hg added (mg)		Corrected specific activity of spike ($Bq \cdot (mg\ Hg)^{-1}$)	Specific activity in fish muscle ($Bq \cdot (mg\ Hg)^{-1}$)
	Spike	Treatments		
SP84-3	0.66	0.93	1.5×10^{8}	3.6×10^{7}
SD84-4	0.66	36.6	3.7×10^{6}	2.9×10^{7}
LM84-5	0.66	2.1	6.6×10^{7}	1.6×10^{7}
CHg84-6	0.66	2.2	4.9×10^{7}	5.6×10^{6}
C84-7	0.66	-	2.1×10^{8}	8.4×10^{6}

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WESTERN ARCTIC FISH COLLECTIONS 1983-1986: SAMPLE-PROCESSING PROCEDURES AND BASIC DATA ON INDIVIDUAL SPECIMENS

by

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This is the 19th Data Report
from the Central and Arctic Region, Winnipeg

PREFACE

This study was funded by the Northern Oil and Gas Action Program (NOGAP), through the Department of Fisheries and Oceans, Central and Arctic Region, and by the Inuvialuit/DFO Fisheries Joint Management Committee. This document constitutes NOGAP Report B.30.

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ABSTRACT

Reist, J.D. 1987. Western Arctic fish collections 1983-1986: sample-processing procedures and basic data on individual specimens. Can. Data Rep. Fish. Aquat. Sci. 669: iv + 69 p.

Five thousand six hundred and seven fish representing 23 species were collected from 1983 to 1986 from several locations in the western North American Arctic. Of these, 3747 have been processed to date. This report outlines the general procedures of processing which provided a variety of data and tissues from these samples for use in other studies. Processing involved the collection of biological, morphological and meristic data and the removal of tissues for further analyses. Basic background information on the specimens is provided herein. These data are details of collection information, basic biological data (fork and standard lengths, weight, sex, and maturity), and a unique identification number assigned to each individual. The unique identification number permits cross-referencing back to the individual of all data accrued in subsequent analyses.

Key words: Mackenzie River, Tuktoyaktuk Peninsula, Yukon north slope, fishery surveys, anadromous fishes, collection localities, data collection.

RÉSUMÉ

Reist, J.D. 1987. Western Arctic fish collections 1983-1986: sample-processing procedures and basic data on individual specimens. Can. Data Rep. Fish. Aquat. Sci. 669: iv + 69 p.

Cinq mille six cent sept (5 607) poissons de 23 espèces différentes ont été prélevés, de 1983 à 1986, de plusieurs endroits dans l'Arctique occidental nord-américain. De ce nombre, 3 747 ont été étudiés à ce jour. Le rapport décrit les méthodes générales d'étude qui ont permis de tirer toute une variété de données et de tissus de ces échantillons, qui serviront dans le cadre d'autres travaux. L'étude de ces échantillons s'entend de la collecte de données biologiques, morphologiques et méristiques et du prélèvement de tissus aux fins d'analyses ultérieures. Les données de base sur les spécimens sont présentées dans le rapport. Il s'agit de renseignements détaillés sur la collecte, des données biologiques de base (longueur à la fourche et longueur standard, poids, sexe, maturité) et d'un numéro d'identification exclusif, attribué à chaque spécimen, qui permet de mettre en relation avec le sujet toutes les données recueillies au cours d'analyses subséquentes.

Mots-clés: (fleuve) Mackenzie; peninsule de Tuktoyaktuk; versant nord du Yukon; études sur les pêches; Anadromes; points de collecte; collecte de données.

INTRODUCTION

The aim of this report is to provide basic biological information on all fish specimens collected in the western Arctic and processed from 1983 to 1986. In the fall of 1983 a study of the genetic stock structure of broad whitefish in the western Arctic was initiated. Supplemental funding was provided for 1984-1986 by the Northern Oil and Gas Action Program (NOGAP) for the geographic and temporal expansion of this study and by the Inuvialuit/DFO Fisheries Joint Management Committee in 1986 for extension of the work to Arctic char. The genetic stock work was integrated as a sub-project in a NOGAP Project (B.3) investigating the anadromous coregonid fishes of the Mackenzie River Basin, with broad whitefish being chosen as the primary, indicator species. To fulfill the objectives of the NOGAP project, extensive geographic and temporal sampling of western Arctic fish, primarily coregonid, populations was undertaken. Because the sampling requirements of the genetic stocks sub-project were the most intensive (in terms of numbers of fish, sampling locations and times), this sub-project took responsibility for maintaining the inventory of fish and biological data on fish collected by the NOGAP project. Subsequently these samples were processed to obtain data and tissues for all aspects of the integrated NOGAP project as well as for other research activities conducted at the Freshwater Institute Science Laboratory. Because many subsequent studies conducted by other members of the NOGAP project require certain basic information on the fish specimens, and because in most cases this information is common to all users of the specimens, compilation of this basic fish information into one readily accessible report is a necessity.

METHODS

FISH COLLECTIONS

The fish collected (Table 1) were obtained either directly by DFO staff or indirectly through field contacts or consultants hired for the purpose. In addition to the samples obtained specifically for purposes of this study, other samples or access to data from them were provided by other DFO staff.

Several major collecting efforts were organized. These were:

1) August - November 1983: acquisition of broad whitefish specimens from the Mackenzie Basin by DFO staff and/or field contacts;

2) September - November 1984: acquisition through field contacts and field collection by DFO staff in the Inuvik area;

3) Summer 1985: field collection on the Tuktoyaktuk Peninsula and in the MacKenzie Delta through contract to consultant (Strange and MacDonnell, 1985);

4) September 1985: field collections by DFO staff in the Fairbanks, Alaska area arranged by K. Alt of Alaska Department of Fish and Game, as well as acquisition of samples from other Alaskan localities via field contacts;

5) October - November 1985: field collection by DFO staff in the Inuvik area;

6) September - October 1986: acquisition through field contacts and field collection by DFO staff in the Inuvik and Yukon North Slope areas; and,

7) October - November 1986: field collection by DFO staff in the Inuvik area.

Collection methods were netting by gill, seine, hoop and trap nets; angling; and, electrofishing. Due to the variety of arrangements made to obtain samples, more or less complete sets of collection data for each locality are available. Details of the collections are summarized in Table 2. Examination of these data for the purposes of spatial and temporal distributions, and from the perspective of catch per effort, is being considered elsewhere (J. Reist in preparation).

To uniquely identify a particular sample, a collection number was assigned consisting of a four-digit number to indicate year, a two-digit number to indicate the specific site or drainage basin (location code), and as required a further two-digit number to indicate a unique locality within the more general site (specific location code), e.g. 1984-27-01 (see Table 2). The particular collection localities are indicated on Figure 1-6 by these location codes.

In all cases fish were identified by qualified individuals, bagged in plastic bags, then frozen as soon as possible after capture (at about -20°C) and usually returned frozen by air to Winnipeg. Fish were stored at -35°C until required for analysis. Fish were then processed to obtain data and tissue samples for further analysis or for transfer to other researchers.

FISH PROCESSING AND DATA/TISSUE COLLECTION PROTOCOLS

Processing protocols were designed for the specifics of the data/tissue collection to be conducted, the size of the fish, the number of fish and the number of individuals involved in the processing operation. Thus the details of the protocol varied slightly, both from year to year and within a year, but the general protocol remained the same throughout.

Fish were removed from the storage freezers several hours prior to processing (either the evening before or the morning) and placed in cold rooms (4°C) to thaw. Specimens were still quite firm after such treatment. The fish were then removed to the lab and washed briefly under tap water, with care to ensure external parasites were not removed. The fish were towelled dry and a metal tag stamped with a unique five-digit identification number affixed. Fork and standard lengths were taken on a measuring board (±1mm), and the fish was weighed (±1 g). The external body surface was examined for evidence of scarring (see Reist et al. 1987). Any parasites observed were removed and stored in appropriate preservative solutions. A suite of morphometric measurements and meristic counts were taken. Tissues were then sampled. Muscle was removed from the right side in the area between

the dorsal and adipose fins and separated into red and white muscle components. Individual samples of white muscle were placed in whirlpak bags (for genetic studies) or scintillation vials (for stable isotope studies). Red muscle, heart and liver samples were individually placed in whirlpaks for electrophoretic analyses. Sex and maturity were determined and then gonads were removed and weighed (±0.1g). All tissues were then refrozen for later analyses. Scale samples and pelvic fins were placed in scale envelopes and dried. Gill raker measurements and meristic counts were then taken. Fish remains were re-bagged and refrozen. This procedure was modified slightly as dictated by the details of requirements for additional information or tissues by other researchers.

All data and tissues were cross-referenced to the original fish by the unique identification number.

The number of fish collected and processed to date and the identification numbers assigned to the fish are summarized in Table 3, by species (Table 1) and location code (Table 2). The identification number is unique to the individual fish and basic biological data for each specimen are tabulated sequentially by the identification number in Table 4.

To date, 4459 fish have been processed (3747 completely and remainder assigned identification numbers) from a total of 5607 fish collected representing 23 species.

TREATMENT OF DATA FOR THIS REPORT

All bookkeeping (specimen number, location code), morphological (morphometric, meristic), and biological (length, weight, sex, maturity) data were entered onto the University of Manitoba mainframe computer directly or via personal computer interfacing. Appropriate procedures from the Statistical Analysis System package version 5 (SAS 1985) were used to produce the sorted output given here as Tables 3 and 4.

The variables reported are (Table 4): 1) OBS - the sequential observation number in the data set generated by the SAS procedure; 2) ID - the unique identification number assigned to the individual; 3) SPECIES - the appropriate acronym identifying species (see Table 1); 4) YEAR - the year of collection; 5) LOC - the unique location (geographical or temporal) code of the collection (see Table 2, Figs. 1-6); 6) SLOC - a unique code designating specific collection sites within the more general location (see Table 2, Figs. 1-6); 7) FRL - fork length measured to nearest mm; 8) STL - standard length measured to nearest mm; 9) WT - round weight measured to nearest gram; 10) SEX - 0 if unsexable (i.e. too immature), 1 if male, 2 if female, and (.) if datum missing (i.e. not sexed); and 11) MAT - sexual maturity assessed visually according to criteria of K. Chang-Kue (Freshwater Institute Science Laboratory (FWI) pers. comm.; see below).

Values that are missing are indicated in Table 4 as periods (.).

Maturity codes and criteria were as follows (K. Chang-Kue, FWI, pers. comm.):

(.) - missing value, i.e. datum not collected;
00 - too young to be sexed;
01 - immature (virgin) female, granular ovaries, membrane firm;
02 - resting female, ovaries 40-50% of body cavity, membrane thin and loose, healed from spawning;
03 - mature female, current-year spawner with ovaries filling body cavity, eggs not loose;
04 - ripe female, eggs full-size and loose, expelled by slight pressure;
05 - spent female, ovaries ruptured and flaccid, some eggs retained in body cavity;
06 - immature male, testes long, thin and firm;
07 - resting male, testes tubular, healed from spawning, mottled and purplish in colour;
08 - mature male, testes large, lobate, white to purplish with fluid centres;
09 - ripe male, testes full size, white and lobate, milt expelled by slight pressure;
10 - spent male, testes flaccid, violet-pink, blood vessels visible; and,
11 - resting (non-virginal) fish of unknown sex with gonad degeneration.

ACKNOWLEDGMENTS

Funding for the collection of specimens was provided by the Northern Oil and Gas Action Program, through the Department of Fisheries and Oceans, and by the Inuvialuit/DFO Fisheries Joint Management Committee. Personal support for J. Reist was provided in 1984/85 by a Natural Science and Engineering Research Council Visiting Fellowship. I thank the staff (J. Ostrick and M. McCrae) of the Inuvik Scientific Resource Centre, Department of Indian Affairs and Northern Development, for logistical support and accommodation during field work out of Inuvik. I thank K. Alt of Alaska Department of Fish and Game for arranging field work in Alaska and for arranging Alaskan contacts for obtaining specimens.

I am indebted to the following individuals for obtaining and forwarding specimens: K. Alt, B. Clark, F. DeCicco, K. Francisco, R. Holmes, and R. Sundet of Alaska Department of Fish and Game; R. Dillinger, Memorial University; S. Himmer, Inuvik; L. Moulton, Entrix Inc., Anchorage; C. Adjun and F. Elias, G.N.W.T., Coppermine; and J. Carmichael, B. Day, W. Day, A. Buderak, E. Kelly, J. Firth, G. Radisca of the lower Mackenzie area.

I thank the following individuals for field assistance: D. Bodaly, K. Cash, R. Fudge, B. Gillis, E. Jessop, B. MacDonald. The following DFO staff kindly allowed access to specimens or data collected for their own purposes: K. Chang-Kue, B. deMarch, M. Lawrence, D. Metner and M. Roberge.

The work of D. MacDonell and N. Strange in fulfilling a demanding sampling program in the summer of 1985 is gratefully acknowledged.

REFERENCES

REIST, J.D., R.A. BODALY, R.J.P. FUDGE, K.J. CASH, and T.V. STEVENS. 1987. External scarring of whitefish, Coregonus nasus and C. clupeaformis complex, from the western Northwest Territories, Canada. Can. J. Zool. 65: 1230-1239.

SAS INSTITUTE INC. 1985. SAS user's guide: Basics, Version 5. Cary, North Carolina.

STRANGE, N.E., and D.S. MACDONELL. 1985. Results of a broad whitefish collection in freshwater systems along the Tuktoyaktuk Peninsula and in the inner Mackenzie Delta region. Report by North/South Consultants Inc. to Department of Fisheries and Oceans, Winnipeg. iv + 25 pp.

Table 1. Fish species obtained over the study years 1983-1986 from northwestern North America.

Common Name	Scientific Name	Abbreviation
Broad whitefish	*Coregonus nasus* (Pallas)	BDWF
Lake whitefish complex	*C. clupeaformis* (Mitchell)	LKWF
Least cisco complex	*C. sardinella* (Valenciennes)	LSCS
Arctic cisco	*C. autumnalis* (Pallas)	ARCS
Bering cisco	*C. laurettae* (Bean)	BRCS
Round whitefish	*Prosopium cylindraceum* (Pallas)	RDWF
Inconnu	*Stenodus leucichthys* (Guldenstadt)	INCO
Arctic grayling	*Thymallus arcticus* (Pallas)	ARGR
Arctic char complex	*Salvelinus alpinus* (Linnaeus)	ARCH
Lake trout	*Salvelinus namaycush* (Walbaum)	LKTR
Chum salmon	*Oncorhynchus keta* (Walbaum)	CMSM
Northern pike	*Esox lucius* (Linnaeus)	NRPK
Burbot	*Lota lota* (Linnaeus)	BRBT
Longnose sucker	*Catostomus catostomus* (Forster)	LNSK
White sucker	*C. commersoni* (Lacépède)	WHSK
Trout perch	*Percopsis omiscomaycus* (Walbaum)	TPCH
Nine-spine stickleback	*Pungitius pungitius* (Linnaeus)	NSSB
Four-horn sculpin	*Myoxocephalus quadricornis* (Linnaeus)	FHSC
Spoonhead sculpin	*Cottus ricei*	SHSC
Starry flounder	*Platichthys stellatus* (Pallas)	STFL
Arctic flounder	*Liopsetta glacialis* (Pallas)	ARFL
Saffron cod	*Eleginus gracilis* (Tilesius)	SFCD
Pacific herring	*Clupea harengus pallasi* (Valenciennes)	PCHR
Hybrid	Inconnu x whitefish (?)	XXXX

Table 2a. Collection localities and numbers of fish collected for the study. See Table 1 for species codes and Figures 1-6 for location maps.

Locality	Drainage	Lat[1]	Long[2]	Collection Number[3]	Dates	Method[4]	Depth (m)	BDWF	LKWF	LSCS	ARCS	INCO	ARGR	ARCH	LKTR	NRPK	BRBT	LNSK	WHSK	NSSB	Comments[8]
Northwest Territories Collections: Fall 1983, Fall 1984																					
Horseshoe Bend	Mackenzie Delta	68 14	134 15	1983-01	16-17 Sept.	GN	-	77													Via fisherman
Peel R.	Mackenzie R.	67 20	134 52	1983-02	24-25 Oct.	GN	-	71													Via fisherman
Mackenzie R.	Mackenzie R.	66 11	128 57	1983-03	10,22 Nov.	GN	-	43													Via E. Jessop, DFO
Cox L.	Richardson R.	67 53	116 38	1983-04	5,6,9,11-13 Nov.	GN	9-12	24	27												Via C. Adjun, Coppermine
Horseshoe Bend	Mackenzie Delta	68 14	134 15	1984-05	early Sept.	GN	-	65													Via fisherman
"	"	"	"	1984-06	mid Sept.	GN	-	35													"
"	"	"	"	1984-07	mid Oct.	GN	-	26													"
"	"	"	"	1984-08	7-11 Nov.	GN	-	51													"
East Channel	Mackenzie Delta	68 21	133 46	1984-09	27 Oct-2,5-11 Nov.	GN	1.5-3.5	13				1				13	11	1			9 BDWF via fisherman
East Channel	Mackenzie Delta	68 21	133 46	1984-18	27 Oct-2,5-11 Nov.	GN	1.5-3.5		126												
Arctic Red R.	Mackenzie R.	67 11	133 32	1984-11	4-10 Nov.	GN	2.5-4.5	60	1								4	3			-
Mackenzie R.	Mackenzie R.	67 27	133 46	1984-10	2-6 Nov.	GN	-	49													Via fisherman
Peel R.	Mackenzie R.	67 16	134 56	1984-12	late Oct.	GN	-	18													"
Peel R.	"	66 51	134 56	1984-12	early Nov.	GN	-	29	1												"
Mackenzie R.	"	67 18	132 36	1984-13	early-mid Nov.	GN	-	50													"
Travaillant R.	Travaillant L.	67 44	131 51	1984-14	1-7 Nov.	GN	-	51	1												"
Anderson R.	Anderson R.	68 19	128 33	1984-15	mid-late Oct.	GN	-	50													"
Cox L.	Richardson R.	67 53	116 38	1984-19	12 Dec.-6 Jan. 1985	GN	-	2							43		4				Via F. Elias, Coppermine
Cox L.	Richardson R.	67 53	116 38	1984-20	12 Dec.-6 Jan. 1985	GN		31													Via F. Elias, Coppermine
Mackenzie R.	Mackenzie R.	66 11	128 57	1985-23	16-19 April	GN	-		7			2									Via K. Chang-Kue, DFO
Tuktoyaktuk Peninsula, N.W.T., Summer 1985 Collections (Strange and MacDonnell 1985)																					
Canyanek Ck.	Canyanek Ck.	69 19	133 24	1985-27-01US	10-11 July 1985	HN	-	135		6		5							12		-
"	"	69 19	133 24	1985-27-02DS	"	HN	-	69		14											-
Horseshoe L.	"	69 13	133 16	1985-27-04	9-10 July 1985	GN	-	24													-
Broad L.	"	69 16	133 24	1985-27-03	23-24 July 1985	GN	-	120	16	13						5					10-12 WF lost
Freshwater Ck.	Freshwater Ck.	69 27	132 57	1985-26-01	30 June 1985	Seine	-	18	10	4											-

Table 2a. (cont'd)

Locality	Drainage	Lat[1]	Long[2]	Collection Number[3]	Dates	Method[4]	Depth (m)	BDWF	LKWF	LSCS	ARCS	INCO	ARGR	ARCH	LKTR	NRPK	BRBT	LNSK	WHSK	NSSB	Comments[8]
Freshwater Ck.	Freshwater Ck.	69 27	132 57	1985-26-01	1 July	Seine	-	31	33	9											-
"	"	"	"	"	3 July	"	-	2	2	1											-
"	"	"	"	"	6 July	"	-	+	+	+											-
"	"	"	"	"	16 July	"	-	+	+	+											-
Freshwater Ck.	Freshwater Ck.	69 26	132 54	1985-26-02US	1-3 July 1985	HN	-	65	13	7										30	Tidal?
"	"	69 26	132 54	1985-26-03DS	"	HN															"
Lake No. 2	Freshwater Ck.	69 24	132 47	1985-26-04	23-24 July 1985	GN	-	49	15	17						2					-
Kukjuktuk Ck.	Kukjuktuk Ck.	69 36	132 24	1985-25-01US	7-10 July 1985	HN	-	240	1	52										5	-
"	"	69 36	132 24	1985-25-02DS	"	HN	-	11	26	3										6	-
Lake No. 18	"	69 31	132 29	1985-25-03	24-25 July 1985	GN	-	4		2						26					-
Lake No. 44	"	69 29	132 19	1985-25-04	9-10 July 1985	GN	-	1													-
McKinley Ck.	McKinley Ck.	69 48	131 12	1985-24-01US	12-17 July 1985	HN	-	2		13	2									4	-
"		"	"	1985-24-02DS	"	HN		20	1		11									1	-
Marine L.	"	69 49	131 12	1985-24-05	29-30 July 1985	GN	-	2	1	16	57										-
Shallow L.	"	69 45	131 14	1985-24-04	29-30 July 1985	GN	-	22		2											-
Ess L.	"	69 44	131 11	1985-24-03	24-25 July 1985	GN	-	6													-
Mackenzie Delta, N.W.T., Summer 1985 Collections (Strange and MacDonnell 1985)																					
Big Lake	Mackenzie Delta	68 21	133 47	1985-32-01	19-20 July 1985	GN	-	2	36	27	2	4				6		2			-
Big Lake outlet	"	68 21	133 48	1985-32-02	29-30 July 1985	GN	-		1												-
L. west of Big L.	"	68 21	133 49	1985-32-03	29-30 July 1985	GN	-			29		1									-
Skidoo L.	"	68 19	133 51	1985-31	19-20 July 1985	GN	-	2	15	10		3				6					-
South L.	"	68 18	133 51	1985-30	19-23,26-29 July 1985	GN	-	47	61	29						55					-
Kalinek Channel L.	"	68 18	134 14	1985-34	5-6 Aug. 1985	GN	-	3	13	11		2				16					-
NRC Channel	"	68 19	133 50	1985-29	20-21 July 1985	GN	-	2	2												Nets fouled
East Channel	"	68 19	133 41	1985-28	20-21 July 1985	GN	-											1			"
Middle Channel	"	68 18	134 26	1985-33	5-6 Aug. 1985	GN	-	4	64		35						1	3			-

Table 2a. (cont'd)

Locality	Drainage	Lat[1]	Long[2]	Collection Number[3]	Dates	Method[4]	Depth (m)	BDWF	LKWF	LSCS	ARCS	INCO	ARGR	ARCH	LKTR	NRPK	BRAT	LNSK	WHSK	NSSB	Comments[6]
Mackenzie River, N.W.T. Summer 1985 Collections (Strange and MacDonnell 1985)																					
Travaillant L.	Mackenzie R.	67 41	131 48	1985-35	30-31 July,2-3 Aug.	GN	-	53	77	12					16	37			5		-
"	"	"	"	"	3 Aug.	Seine	-		44[5]	3						3			43	4	-
Western N.W.T., Fall 1985 Collections																					
Campbell L.	Mackenzie Delta	68 16	133 17	1985-36	31 Oct.-9 Nov.	GN	-	27	18	10		33				30					-
Dolomite L.	"	68 17	133 33	1985-37	3-5 Nov.	GN	-		1	3		6			1		1				-
Horseshoe Bend	"	68 14	134 15	1985-38	mid Sept.	GN	-	36	27												Via fisherman
West Channel	"	68 13	135 00	1985-39	early Nov.	GN	-	51													"
Arctic Red R.	at Mackenzie R.	67 27	133 46	1985-40	end Oct.	GN	-		50												"
Mackenzie R.	Mackenzie R.	66 11	128 57	1985-41	fall	GN	-	29	1												"
Miner R.	Miner R.	69 05	131 03	1986-42	2-4 Nov.	GN	2-2.5	129	169	4			1				11	31			-
Kugalik R.	Kugalik R.	69 07	130 55	1985-43	5-7 Nov.	GN	-	50													Via fisherman
L. at Ft. Franklin	Great Bear L.	65 10	123 25	1985-44	10 Oct.	-	-	19													Via D. Metner, DFO
Mackenzie R.	Mackenzie R.	66 11	128 57	1985-53	13-14 Oct.	-	-	25													Via consultant
Mackenzie R.	Mackenzie R.	62	121	1985-54	19-21 Oct.	-	-		19		1										Via consultant
Great Slave L.	Mackenzie R.	62	114	1985-55-02	fall	-	-		50												Via M. Roberge, DFO
Alaska, 1984-1986 Collections																					
Kobuk R.	Kobuk R.	66 58	160 26	1984-16	1 Nov.	GN	-	15													Via K. Alt, AFG
Tanana R.	Yukon R.	64 49	148 00	1984-17	10 Sept.	-	-	4	2												"
Minto Flats	Yukon R.	65 05	149 05	1985-45	5-11 Sept.	GN	-	2	1	10		4				15					"
Yukon R.	Yukon R.	65 40	150 00	1985-46	17-26 Sept.	GN	-	48	51	51						3					Alt, Bodaly, Reist
Chatanika R.	Yukon R.	65 27	147 42	1985-47	30 Sept.	ES	0-1		43	28			11								Alt,Clark,Bodaly,Reist
Chena R.	Yukon R.	64 46	147 50	1985-48	5-15 Sept.	Weir	-		27												Badger Slough; Holmes and Clar., AFG
Susitna R.	Susitna R.	61 40	150 25	1985-49	late July	-	-		20												Via K. Francisco, AFG

Table 2a. (cont'd)

Locality	Drainage	Lat[1]	Long[2]	Collection Number[3]	Dates	Method[4]	Depth (m)	ARWF	LKWF	LSCS	ARCS	INCO	ARGR	ARCH	LKTR	NRPK	ARRT	LNSK	WHSK	NSSR	Comments[8]
Kuskokwim R.	Kuskokwim R.	60 40	162 00	1985-50	mid Sept.	GN	-		74												Via K. Francisco, AFG
Ambler R.	Kobuk R.	67 05	157 55	1985-51	late Oct.	-	-	50													Via F. De Cicco, AFG
Colville R.	Colville R.	70 25	150 30	1985-52	10-21 Oct.	-	-	27	25												Via L. Moulton, Entrix Inc., Anchorage
Kivalina Lagoon	Chukchi Sea	67 44	164 30	1986-75	early Oct.	-	-		50												Via F. De Cicco, AFG; migrants to Wulik R.(?)
Western N.W.T. and Northern Y.T., 1986 Collections																					
Toker Point	Beaufort Sea	69 40	132 43	1986-56	18-22 May	GN	-			1	16	6									Via M. Lawrence, DFO Stn A6030
Tibjak Point	Beaufort Sea	69 33	133 00	1986-57	18-22 May	GN	-				13	6									Via M. Lawrence, DFO
Joe Creek	Firth R.	68 56	140 58	1986-58	30 Sept.	Seine[6],AN	0-2							79							Anadromous
Firth R.	Firth R.	68 40	140 55	1986-59	29 Sept.	"	0-2							58							Anadromous
Babbage R.	Babbage R.	68 39	139 19	1986-60	29 Sept., 2 Oct.	Seine[6]	0-0.6							35							Above impassible falls, resident
Canoe R.	Babbage R.	68 36	138 44	1986-61	29 Sept.,2 Oct .	Seine,AN	0-2							70							Anadromous
Cache Creek	Big Fish R.	68 17	136 21	1986-62	26 Sept.	"	0-2						1	74							Anadromous
Rat R.	Mackenzie Delta	67 47	136 19	1986-63	27 Sept.	"	0-1.5						66	56							Anadromous
Hornaday R.	Hornaday R.	69 24	123 35	1986-64	19 Aug.	Weir	-	50						50							Via consultant
Summit L.	Bell R.-Yukon R.	67 43	136 29	1986-65	26-27 Sept.	GN	3	9	49	21						29					-
Travaillant L.	Travaillant R.	67 44	131 50	1986-66	25-26 Sept.	GN	1-1.3	31	15								3				-
Travaillant R.	at Mackenzie R.	67 28	131 29	1986-67	26-27 Sept.	GN	1	1				10				1	8				At confluence
South Travaillant L.	Travaillant R.	67 35	131 50	1986-68	25-26 Sept.	GN	1.2	12	56								3				Own name for lake
Horseshoe Bend	Mackenzie Delta	68 14	134 15	1986-69	20-26 Sept.	-	-	50	51												Via fisherman
Attoe L.	Pierre Ck	67 25	133 11	1986-70	25-27 Sept.	GN	1.5	12	1	1						7					-
Phillips Bay	Beaufort Sea	68 15	138 30	1986-71	24 June-27 Aug .	TN	-	25	59	5	31	3	1								Via R. Bond, DFO
Lake 47	Kukjuktuk Ck.	69 31	132 24	1986-72	31 July	GN	-	4		33											Via R. Dillinger
Lake 57	Kukjuktuk Ck.	69 32	132 18	1986-73	31 July, 1 Aug.	GN	-			3											Via R. Dillinger

Table 2a. (cont'd)

Locality	Drainage	Lat[1]	Long[2]	Collection Number[3]	Dates	Method[4]	Depth (m)	BDWF	LKWF	LSCS	ARCS	INCO	ARGR	ARCH	LKTR	NRPK	RRRT	LNSK	WHSK	NSSR	Comments[8]
Peter L.	Holmes Ck.	68 46	134 09	1986-74	3 Aug.	AN	-							4	3						Via S. Himmer
Long L.	Rat R.	67 43	135 25	1986-78	29 Oct.-5 Nov.	GN	3	10	38							12					-
Ogilvie L.	Rat R.	67 43	136 26	1986-77	30 Oct.-5 Nov.	GN	3	3	22							9					-
Twin L. (south)	Rat R.	67 44	136 24	1986-76	30 Oct.-5 Nov.	GN	5.3	10	4							7					-
Canoe L.	Fish R.	68 14	135 53	1986-79	1-5 Nov.	GN	1.5							1							-
Yeltea L.	Tieda R.	66 48	129 18	1986-80	31 Oct.-2 Nov.	GN	-		50												Via fisherman
Carcajou L.	Loon R.	67 17	128 39	1986-81	end Oct. early Nov.	GN	-		43						2	+[7]	+				Via fisherman

[1] Lat = latitude in degrees and minutes north;

[2] Long = longitude in degrees and minutes west;

[3] First number is year of collection, second is general location code, third is specific location code; US = nets set for fish moving upstream, DS = nets set for fish moving downstream.

[4] Methods used: GN - gillnet, HN - hoop net, ES - electroshocker boat, AN - angling, TN - trap net, seine - beach seine, and weir.

[5] Small whitefish unidentified to species;

[6] For char collections in Yukon streams, seine = small-mesh gill net used as a seine or drift net;

[7] + = species seen in camp but not collected.

[8] DFO = Department of Fisheries and Oceans; AFG = Alaska Department of Fish and Game.

Table 2b. Additional species collected for some localities; see appropriate collection number on Table 2a for details of collection information.

Species	Number of Fish	Locality Name	Collection Number
BRCS	1	Yukon R.	1985-46
RDWF	5	Chatanika R.	1985-47
RDWF	1	Phillips Bay	1986-71
CHSM	1	Cache Ck.	1986-62
TPCH	2	South L.	1985-30-01
SHSC	1	Freshwater Ck.	1985-26-01
FHSC	6	Marine L.	1985-24-05
FHSC	9	Freshwater Ck.	1985-26-01
FHSC	5	Miner R.	1985-42
STFL	7	Marine L.	1985-24-05
STFL	6 + many	Freshwater Ck.	1985-26-01
ARFL	70 (+60)	Marine L.	1985-24-05
ARFL	4 + many	Freshwater Ck.	1985-26-01
SFCD	13	Marine L.	1985-24-05
PCHR	6	Marine L.	1985-24-05
Unidentified	1	Freshwater Ck.	1985-26-02
XXXX	1	Horseshoe Bend	None assigned[1]

[1] Passed onto DFO staff by J. Harrison. Captured in domestic nets set at Horseshoe Bend in the Mackenzie Delta, 11 September 1984.

Table 3. Number of fish collected and processed with associated individual identification numbers listed by species, year and location codes (LOC and SLOC).

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
BDWF	1983	1	-	77	47	15601-15603,15607-15612,15639-15652,15677-15680,15750-15754,15757-15762,15771-15779
		2	-	71	47	15604-15606,15613-15615,15631-15638,15669-15676,15705-15712,15763-15770,15780-15788
		3	-	43	43	15616-15622,15653-15660,15681-15688,15697-15704,15718-15726,15736-15738
		4	-	24	24	15623,15630,15662,15668,15693-15696,15713,15714,15717,15727,15728,15730,15732,15734, 15735,15739,15742-15747
	1983 Total	4	-	215	161	
BDWF	1984	5	-	66	57	16101-16109,16587-16634
		6	-	35	35	16635-16669
		7	-	26	26	16670-16695
		8	-	51	51	16122-16129,16165-16172,16212-16218,16258-16265,16304-16311,16353-16361,16397-16399
		9	-	22	22	16001-16003,16007,16019-16021,16420-16427,16446-16452
		10	-	49	49	16430-16438,16453-16462,16468-16497
		11	-	60	60	16008-16016,16022,16110-16115,16154-16156,16198-16203,16245-16249,16288-16295, 16338-16343,16385-16393,16402-16408
		12	-	47	47	16130-16137,16173-16179,16219-16227,16266-16273,16312,16314-16319,16362-16369
		13	-	50	50	16116-16121,16157-16164,16204-16211,16250-16257,16296-16303,16344-16352,16394-16396
		14	-	51	51	16146-16153,16189-16197,16237-16244,16280-16287,16328-16330,16332-16337,16378-16384, 16409,16410
		15	-	50	50	16138-16145,16180-16188,16228-16236,16274-16279,16320-16327,16370-16377,16400,16401
		16	-	15	15	16411-16416,16439-16443,16463-16466
		17	-	4	4	16419,16444,16445,16467
		19	-	2	2	16428,16429
	1984 Total	14	-	528	519	
BDWF	1985	24	1	2	1	17393,17394
		24	2	20	10	17366-17377,17395-17401,17407
		24	3	6	6	17827-17832
		24	4	22	22	17869-17890
		24	5	2	2	17894,17895
		25	1	172	45	17007-17016,17085-17151,18832-18862

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
		25	2	130	50	17043-17048,17078-17081,18750-18795
		25	3	22	22	17811-17814,18732-18749
		25	4	1	0	17199
		26[4]	1	205	50	16027-16029,16031,16034,16039,16046,16048,16060,16067,16071,16072,16965,16967,16971, 16972,16975,16980,16985,16997,16998,18326,18330-18333,18340-18342,18344,18345,18350, 18352-18355,18378,18379,18392,18400,18405,18407-18409,18411,18413,18416-18418,18422, 18424,18431,18433,18435,18447,18448,18457,18463,18464,18466,18469,18470,18472-18475, 18478,18479,18483,18486,18500,18796-18808,18863-18899
		26	4	50	40	17727-17739,17757-17792,17810
		27	1	79	24	17203,17204,17206-17214,17278-17350
		27	2	49	49	17229-17277
		27	3	100	50	17600-17699
		27	4	24	24	17049-17072
		29	1	2	0	17565,17566
		30	1	46	36	17488-17493,17495-17508,17529,17570-17577,17586-17599,17833,17834,17846
		31	1	2	2	17550,17551
		32	1	2	1	17486,17487
		33	1	4	4	18173,18213,18225,18226
		34	1	3	3	18145-18147
		35	1	86	42	18048-18054,18056,18067-18071,18086-18097,18118-18134
		36	1	23	23	16960,16961,16968,18273,18279,18281,18283,18284,18301,18304,18309,18311,18312, 18315,18316,18318-18321,18526-18532
		38	1	35	35	18567-18580,18700-18716,18728-18731
		39	1	51	51	18511-18525,18581-18587,18598-18608,18639-18656
		40	1	1	1	21925
		41	1	29	29	18533-18546,18616-18621,18683-18691
		42	1	62	62	18287,18288,18290,18291,18293,18294,18296-18298,18313,18622-18638,18667-18682, 18692-18699,18717-18727
		43	1	50	50	18501-18510,18547-18566,18588-18597,18657-18666
		45	1	2	2	18959,18960
		46	1	48	47	18961-18997,21548-21556,21610
		51	1	50	50	18998-19000,21501-21547
		52	1	27	27	21557-21583
		53[6]	1	25	0	-
	1985 Total	23	-	1432	860	

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
BDWF	1986	64	1	50	50	22056-22105
		65	1	9	9	22156-22159,22626,22628,22630,22632,22638
		66	1	31	31	22106-22118,22121-22138
		67	1	1	1	22160
		68	1	12	12	22146-22149,22151-22154,22437,22595,22597,22598
		69	1	50	50	22005-22018,22020-22055
		70	1	12	12	22139-22145,22639-22643
		71	1	22	22	22161-22182
		72	1	4	4	22233-22236
		76	1	10	10	22372-22379,22520,22522
		77	1	3	3	22380-22382
		78	1	10	10	22363-22371,22515
	1986 Total	12	-	214	214	
BDWF Total all years		53	-	2389	1754	
LKWF	1983	4	1	27	27	15624-15629,15661,15663-15667,15689-15692,15715,15716,15729,15731,15733,15740,15741 15748,15749,15755,15756
	1983 Total	1	-	27	27	
LKWF	1984	12	1	1	1	16313
		14	1	1	1	16331
		17	1	2	2	16417,16418
		18	1	81	62	16004,16006,16017,16018,16098,16498-16506,16517-16525,16547-16585
		20	1	31	31	16507-16516,16526-16546
		21	1	1	1	16586
		22[5]	1	1	0	16099
	1984 Total	7	-	118	98	

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
LKWF	1985	23	1	7	7	16801-16807
		24	2	1	1	17365
		24	5	1	1	17893
		25	1	1	1	17152
		25	2	130	50	17017-17040,17082,17083,18900-18908
		26[4]	1	76	50	16030,16033,16051,16964,16970,16976,16992,18336,18339,18347,18375,18410,18462,18467, 18468,18477,18481,18482,18909-18958
		26	4	15	15	17795-17809
		27	3	14	14	17713-17726
		29	1	2	2	17567,17568
		30	1	17	17	17515-17528,17530,17844,17845
		31	1	15	15	17535-17549
		32	1	37	36	17408-17443,17848
		33	1	53	53	18179-18212,18214-18224,18262-18269
		34	1	13	13	18158-18170
		35	1	55	55	18001-18047,18055,18110-18117
		36	1	17	17	18274,18278,18280,18282,18285,18302,18305,18317,21889-21897
		37	1	2	2	16962,21907
		38	1	26	26	21803-21815,21860-21870,21908,21909
		40	1	49	49	21871-21888,21898-21906,21910-21924,21926-21932
		41	1	1	1	21823
		42	1	70	50	18286,18289,18292,18295,18299,18300,18314,21816-21822,21824-21859
		44	1	19	19	22701-22719
		45	1	1	1	21782
		46	1	51	51	21611-21650,21681-21691
		47	1	28	27	21651-21680,21692-21704
		48	1	27	27	21755-21781
		49	1	20	20	21783-21802
		50	1	75	50	21705-21754
		52	1	26	26	21584-21609
		54[6]	1	25	0	-
		55[7]	2	51	51	16699,19001-19050
	1985 Total	35	-	925	747	

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
LKWF	1986	65	1	49	49	22282-22324,22627,22629,22633-22636
		66	1	15	15	22119,22120,22325-22337
		68	1	55	50	22150,22155,22338-22362,22433-22436,22438-22451,22593,22596,22599,22600,23502
		69	1	45	45	22237-22281
		70	1	1	1	22644
		71	1	59	50	22183-22232
		75	1	50	50	22383-22432
		76	1	4	4	22521,23456-23458
		77	1	22	22	22517-22519,23549-23567
		78	1	38	38	22511-22514,22516,23568-23600
		80	1	50	50	22452-22500,23501
		81	1	43	43	23503-23545
	1986 Total	12	-	431	417	
LKWF Total all years		55	-	1501	1289	
LSCS	1985	24	1	13	13	17378-17390
		24	4	2	2	17891,17892
		24	5	16	16	17896-17911
		25	1	32	50	17001-17006,17153-17198
		25	2	2	2	17041,17042
		25	3	2	2	17815,17816
		26[4]	1	172	0	16023-16026,16032,16035-16038,16040-16045,16049,16052-16059,16061-16066,16068-16070, 16073,16074,16973,16974,16977-16979,16981-16984,16986-16991,16993-16996,16999,17000, 18286,18327-18329,18334,18335,18337,18343,18346,18348,18349,18351,18358-18374,18376, 18377,18380-18385,18387,18388,18390,18391,18393-18399,18401-18404,18406,18412,18414, 18419-18421,18423,18425-18429,18432,18434,18436-18446,18449-18456,18458-18461,18465, 18471,18476,18480,18484,18485,18487-18499
		26	4	17	17	17740-17756
		27	1	6	6	17200-17202,17351-17353
		27	2	14	14	17215-17228

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
		27	3	13	12	17700-17712
		30	1	21	17	17509-17514,17578-17585,17835-17841
		31	1	10	10	17552-17561
		32	1	28	28	17444-17471
		32	3	28	19	17849-17867
		34	1	8	8	18137-18144
		35	1	15	12	18098-18109
		36	1	7	1	16966
		37	1	3	3	18613-18615
		42	1	4	0	-
		45	1	10	0	-
		46	1	51	7	21971-21977
		47	1	28	27	21978-22004
	1985 Total	15	-	503	266	
LSCS	1986	56	1	1	1	21958
		57	1	2	2	21959,21960
		65	1	21	0	-
		70	1	1	0	-
		71	1	5	0	-
		72	1	33	0	-
		73	1	3	0	-
	1986 Total	7	-	66	3	
LSCS Total all years		22	-	569	269	
ARCS	1985	24	1	2	0	17391,17392
		24	2	11	0	17359-17364,17402-17406
		24	5	50	5	17912-17961
		25	2	1	1	17084
		32	1	2	0	17482,17483

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
		33	1	35	0	18227-18261
		54	1	1	0	-
	1985 Total	5	-	102	6	
ARCS	1986	56	1	16	16	21934-21936,21941,21943-21954
		57	1	9	9	21933,21937-21940,21942,21955-21957
		71	1	30	0	-
	1986 Total	3	-	55	25	
ARCS Total all years		8	-	157	31	
INCO	1984	18	1	1	1	16097
INCO	1985	23	1	2	2	16696,16697
		31	1	3	3	17562-17564
		32	1	5	5	17478-17481,17868
		34	1	2	2	18171,18172
		36	1	34	28	18275-18277,18303,18306-18308,18310,18812-18831
		37	1	6	4	16963,16969,18609-18612
		46	1	4	2	18810,18811
	1985 Total	7	-	56	46	
INCO	1986	56	1	5	5	21964-21968
		57	1	6	4	21961,21962,21969,21970
	1986 Total	2	-	11	9	
INCO Total all years		10	-	68	56	

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
ARCH	1986	58	1	79	50	22501-22510,22686-22693,22695-22700,23688,23737-23756,23822-23826
		59	1	53	50	22670-22684,23757-23776,23807-23821
		60	1	33	33	23827-23859
		61	1	70	50	22645-22669,23633-23641,23681-23687,23708-23716
		62	1	76	55	22601-22625,23618-23632,23668-23680,23706,23707
		63	1	58	58	23601-23603,23606-23617,23642-23667,23689-23705
		64	1	50	50	23717-23736,23777-23806
	1986 Total	7	-	419.	346	
Unknown	1985	26	1	1	1	18389
BRCS	1985	46	1	1	1	18809
LKTR	1985	35	1	16	0	18076-18085
		37	1	1	0	-
	1986	74	1	4	0	-
		81	1	2	0	-
LKTR Total all years		4	-	23	0	-
NPRK	1985	25	3	10	0	17817-17826
		26	4	2	0	17793-17794
		27	4	5	0	17073-17077
		30	1	5	0	17531-17534,17847
		32	1	6	0	17472-17477
		34	1	10	0	18148-18157
		35	1	11	0	18057-18066,18135
		36	1	12	0	-
		45	1	15	0	-

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
		46	1	3	0	-
		47	1	5	0	-
	1985 Total	11	-	84	0	
NRPK	1986	65	1	29	0	-
		66	1	2	0	-
		67	1	1	0	-
		68	1	3	0	-
		70	1	7	0	-
		76	1	7	0	-
		77	1	9	0	-
		78	1	12	0	-
	1986 Total	8	-	70	0	
NRPK Total all years		19	-	154	0	
ARGR	1985	27	1	5	0	17354-17358
		42	1	1	0	-
		47	1	11	0	-
	1985 Total	3	-	17	0	
ARGR	1986	62	1	1	0	-
		63	1	26	0	-
		71	1	1	0	-
		74	1	3	0	-
		79	1	1	0	-
	1986 Total	5	-	32	0	
ARGR Total all years		8	-	49	0	

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
NSSB	1985	24	1	5	0	-
		25	1	10	0	-
		26[4]	1	37	0	16047,16050,18338,18357,18415,18430
		27	1	12	0	-
		35	1	4	0	-
NSSB Total all years		5	-	68	0	
RRBT	1984	9	1	11	0	-
		11	1	4	0	-
		19	1	4	0	-
	1984 Total	3	-	19	0	
RRBT	1985	33	1	1	0	18174
		37	1	1	0	-
		42	1	11	0	-
	1985 Total	3	-	13	0	
RRBT	1986	66	1	3	0	-
		67	1	8	0	-
		68	1	3	0	-
	1986 Total	3	-	14	0	
RRBT Total all years		9	-	46	0	
RDWF	1985	47	1	5	0	-
RDWF	1986	71	1	1	0	-
RDWF Total all years		?	-	6	0	

Table 3. (cont'd)

Species	Year	LOC	SLOC	No. of Fish Collected[1]	No. of Fish Processed[2]	Individual Identification Numbers[3]
CHSM	1986	62	1	1	0	-
LNSK	1984	8	1	1	0	-
		11	1	3	0	-
LNSK	1985	28	1	1	0	17569
		32	1	2	0	17484,17485
		33	1	6	0	18175-18178,18270-18272
		42	1	31	0	-
LNSK Total all years		6	-	44	0	
WHSK	1985	35	1	48	0	18072-18075,18136
TPCH	1985	30	1	2	0	17842,17843
SHSC	1985	26[4]	1	1	0	18356
FHSC	1985	24	5	7	0	17972-17977
		26	1	4	0	-
		42	1	5	0	-
FHSC Total all years		3	-	16	0	
XXXX	1984	-	-	1	0	16100
PCHR	1985	24	5	6	0	17995-18000
SFCD	1985	24	5	10	0	17962-17971
ARFL	1985	24	5	10	0	17985-17994
		26	1	4	0	-
STFL	1985	24	5	7	0	17978-17984
		26	1	6	0	-
Total all Fish		-	-	5607	3747	

Table 3 (cont'd).

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[1] Collected but not necessarily returned to FWI.
[2] Morphological data and tissues obtained - totals do not include fish processed for other researchers for which only some data were collected.
[3] Includes some fish tagged in the field but not processed as yet.
[4] Number collected includes: BDWF - 134 for J. Reist, and 71 for B. de March (FWI), passed on to J. Reist for identifications, LKWF - 58 and 18; LSCS - 8 and 164; NSSB - 31 and 6; SHSC - 0 and 1; and unknown species - 0 and 1; respectively.
[5] Location 1985-22 refers to a sample of LKWF from Southern Indian Lake, MB used for comparison for scarring and one fish for comparison to a putative hybrid specimen.
[6] 1985-53 and 1985-54 designate a sample of BDWF and LKWF respectively obtained by D. Metner (FWI) to which access for data and tissue collection was permitted.
[7] 1985-55 designates a sample of LKWF from Great Slave Lake obtained by M. Roberge (FWI) to which access for morphological data was permitted.

Table 4. Basic data for fish specimens listed by identification number. See Tables 1-3 for acronyms and codes.

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1	15601	BDwF	1983	1	1	523	479	2100	1	9
2	15602	BDwF	1983	1	1	511	467	1950	1	9
3	15603	BDwF	1983	1	1	481	444	1650	2	4
4	15604	BDwF	1983	2	1	471	449	1625	1	9
5	15605	BDwF	1983	2	1	488	447	1800	2	4
6	15606	BDwF	1983	2	1	485	467	2100	2	4
7	15607	BDwF	1983	1	1	457	431	1350	1	9
8	15608	BDwF	1983	1	1	555	506	2300	1	9
9	15609	BDwF	1983	1	1	476	444	1900	2	4
10	15610	BDwF	1983	1	1	488	452	1900	1	9
11	15611	BDwF	1983	1	1	474	438	1850	1	9
12	15612	BDwF	1983	1	1	482	439	1800	1	9
13	15613	BDwF	1983	2	1	485	444	1950	2	4
14	15614	BDwF	1983	2	1	475	443	1600	2	4
15	15615	BDwF	1983	2	1	467	435	1900	2	4
16	15616	BDwF	1983	3	1	495	481	1900	1	9
17	15617	BDwF	1983	3	1	575	528	3250	1	10
18	15618	BDwF	1983	3	1	527	487	2275	1	9
19	15619	BDwF	1983	3	1	510	473	2250	1	10
20	15620	BDwF	1983	3	1	597	555	2450	1	9
21	15621	BDwF	1983	3	1	476	437	1450	1	10
22	15622	BDwF	1983	3	1	545	503	2250	1	9
23	15623	BDwF	1983	4	1	585	542	3125	1	6
24	15624	LKwF	1983	4	1	410	386	900	1	6
25	15625	LKwF	1983	4	1	412	393	975	1	6
26	15626	LKwF	1983	4	1	461	428	1325	1	7
27	15627	LKwF	1983	4	1	460	427	1675	1	9
28	15628	LKwF	1983	4	1	415	381	1150	2	9
29	15629	LKwF	1983	4	1	430	403	1150	2	2
30	15630	BDwF	1983	4	1	575	533	3100	1	6
31	15631	BDwF	1983	2	1	468	428	1700	2	4
32	15632	BDwF	1983	2	1	490	453	2000	2	4
33	15633	BDwF	1983	2	1	455	417	1400	2	4
34	15634	BDwF	1983	2	1	500	453	2000	1	9
35	15635	BDwF	1983	2	1	510	471	1900	1	10
36	15636	BDwF	1983	2	1	475	444	1825	2	5
37	15637	BDwF	1983	2	1	462	423	1500	1	9
38	15638	BDwF	1983	2	1	478	448	1700	1	10
39	15639	BDwF	1983	1	1	482	453	1925	2	4
40	15640	BDwF	1983	1	1	490	451	1750	1	9
41	15641	BDwF	1983	1	1	505	465	1950	1	9
42	15642	BDwF	1983	1	1	514	469	1975	1	9
43	15643	BDwF	1983	1	1	490	455	1925	1	9
44	15644	BDwF	1983	1	1	486	427	1525	2	4
45	15645	BDwF	1983	1	1	505	484	2050	1	9
46	15646	BDwF	1983	1	1	472	443	1900	1	9
47	15647	BDwF	1983	1	1	518	471	2100	1	9
48	15648	BDwF	1983	1	1	554	515	2825	1	9
49	15649	BDwF	1983	1	1	455	428	1600	1	9
50	15650	BDwF	1983	1	1	565	503	2100	2	4
51	15651	BDwF	1983	1	1	470	432	1550	1	9
52	15652	BDwF	1983	1	1	555	513	2450	2	4
53	15653	BDwF	1983	3	1	489	447	1825	1	10
54	15654	BDwF	1983	3	1	472	434	1900	2	5
55	15655	BDwF	1983	3	1	457	423	1250	1	10
56	15656	BDwF	1983	3	1	534	494	2950	2	4
57	15657	BDwF	1983	3	1	478	442	1650	1	9
58	15658	BDwF	1983	3	1	515	484	1650	2	5
59	15659	BDwF	1983	3	1	515	483	2200	1	10
60	15660	BDwF	1983	3	1	503	467	2050	1	10
61	15661	LKwF	1983	4	1	340	319	500	1	6
62	15662	BDwF	1983	4	1	610	567	3825	2	2
63	15663	LKwF	1983	4	1	440	417	1350	2	2
64	15664	LKwF	1983	4	1	545	504	2950	1	9
65	15665	LKwF	1983	4	1	605	562	3700	1	9
66	15666	LKwF	1983	4	1	495	458	1650	1	9
67	15667	LKwF	1983	4	1	585	542	3325	2	4
68	15668	BDwF	1983	4	1	569	524	2925	1	6
69	15669	BDwF	1983	2	1	500	465	2050	2	4
70	15670	BDwF	1983	2	1	517	483	2175	2	4
71	15671	BDwF	1983	2	1	480	435	1650	2	4
72	15672	BDwF	1983	2	1	480	433	1550	1	9
73	15673	BDwF	1983	2	1	505	474	2300	2	4
74	15674	BDwF	1983	2	1	485	433	1625	2	4
75	15675	BDwF	1983	2	1	506	467	2200	2	4
76	15676	BDwF	1983	2	1	540	478	2000	1	9
77	15677	BDwF	1983	1	1	518	483	1800	2	4
78	15678	BDwF	1983	1	1	494	457	2000	1	8
79	15679	BDwF	1983	1	1	475	438	1750	2	4
80	15680	BDwF	1983	1	1	450	421	1700	2	4
81	15681	BDwF	1983	3	1	485	451	1750	1	10
82	15682	BDwF	1983	3	1	522	488	2200	1	10
83	15683	BDwF	1983	3	1	500	458	1600	2	5
84	15684	BDwF	1983	3	1	471	433	1500	1	9
85	15685	BDwF	1983	3	1	486	453	1800	1	8
86	15686	BDwF	1983	3	1	555	495	2600	1	7
87	15687	BDwF	1983	3	1	489	451	1750	1	9
88	15688	BDwF	1983	3	1	488	433	1600	1	7
89	15689	LKwF	1983	4	1	450	417	1350	2	2
90	15690	LKwF	1983	4	1	420	391	1075	1	9
91	15691	LKwF	1983	4	1	450	419	1375	1	6
92	15692	LKwF	1983	4	1	442	413	1250	1	9
93	15693	BDwF	1983	4	1	515	476	1975	1	6
94	15694	BDwF	1983	4	1	496	458	1700	2	1
95	15695	BDwF	1983	4	1	510	473	1850	1	6
96	15696	BDwF	1983	4	1	568	527	3000	1	6
97	15697	BDwF	1983	3	1	485	447	1700	1	6
98	15698	BDwF	1983	3	1	490	453	1725	1	8
99	15699	BDwF	1983	3	1	520	485	2200	2	4
100	15700	BDwF	1983	3	1	455	425	1450	1	10
101	15701	BDwF	1983	3	1	548	457	2200	1	9
102	15702	BDwF	1983	3	1	540	495	2200	1	9
103	15703	BDwF	1983	3	1	505	464	2100	1	9
104	15704	BDwF	1983	3	1	502	463	1850	1	7
105	15705	BDwF	1983	2	1	471	434	1625	2	4
106	15706	BDwF	1983	2	1	490	466	1700	1	9
107	15707	BDwF	1983	2	1	480	436	1500	1	9
108	15708	BDwF	1983	2	1	490	457	1825	2	4
109	15709	BDwF	1983	2	1	447	417	1600	1	7
110	15710	BDwF	1983	2	1	508	481	2525	2	4

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
111	15711	BDWF	1983	2	1	480	440	1600	2	4
112	15712	BDWF	1983	2	1	490	468	1800	1	9
113	15713	BDWF	1983	4	1	505	469	1775	2	1
114	15714	BDWF	1983	4	1	510	473	1800	2	1
115	15715	LKWF	1983	4	1	452	432	1400	1	6
116	15716	LKWF	1983	4	1	420	402	1200	2	2
117	15717	BDWF	1983	4	1	530	492	2350	2	1
118	15718	BDWF	1983	3	1	532	495	2050	2	5
119	15719	BDWF	1983	3	1	488	448	1600	1	10
120	15720	BDWF	1983	3	1	480	443	1525	1	9
121	15721	BDWF	1983	3	1	650	605	3750	1	10
122	15722	BDWF	1983	3	1	510	483	2250	1	10
123	15723	BDWF	1983	3	1	550	512	2500	1	10
124	15724	BDWF	1983	3	1	535	498	2325	1	10
125	15725	BDWF	1983	3	1	535	497	2850	1	10
126	15726	BDWF	1983	3	1	548	459	1950	2	5
127	15727	BDWF	1983	4	1	488	455	1600	2	1
128	15728	BDWF	1983	4	1	550	510	2400	2	1
129	15729	LKWF	1983	4	1	485	432	1350	1	9
130	15730	BDWF	1983	4	1	510	479	1800	2	1
131	15731	LKWF	1983	4	1	425	393	1000	2	1
132	15732	BDWF	1983	4	1	581	536	3700	2	1
133	15733	LKWF	1983	4	1	590	554	3400	2	4
134	15734	BDWF	1983	4	1	588	538	3500	2	1
135	15735	BDWF	1983	4	1	540	503	2500	1	6
136	15736	BDWF	1983	3	1	508	472	2100	1	10
137	15737	BDWF	1983	3	1	556	519	2775	1	10
138	15738	BDWF	1983	3	1	448	415	1300	1	10
139	15739	BDWF	1983	4	1	595	559	3975	2	2
140	15740	LKWF	1983	4	1	555	518	3100	2	4
141	15741	LKWF	1983	4	1	434	401	1150	1	7
142	15742	BDWF	1983	4	1	501	467	1800	2	1
143	15743	BDWF	1983	4	1	627	581	4250	2	2
144	15744	BDWF	1983	4	1	585	531	3025	2	2
145	15745	BDWF	1983	4	1	429	381	950	1	6
146	15746	BDWF	1983	4	1	440	409	1100	2	1
147	15747	BDWF	1983	4	1	570	527	2825	2	2
148	15748	LKWF	1983	4	1	615	567	4250	2	4
149	15749	LKWF	1983	4	1	610	555	4700	2	9
150	15750	BDWF	1983	1	1	483	444	1500	1	9
151	15751	BDWF	1983	1	1	445	407	1400	1	9
152	15752	BDWF	1983	1	1	520	479	2200	2	4
153	15753	BDWF	1983	1	1	498	459	2100	1	9
154	15754	BDWF	1983	1	1	488	430	1750	1	9
155	15755	LKWF	1983	4	1	490	458	1800	1	9
156	15756	LKWF	1983	4	1	485	438	1600	1	6
157	15757	BDWF	1983	1	1	525	486	2425	2	4
158	15758	BDWF	1983	1	1	478	446	1725	2	4
159	15759	BDWF	1983	1	1	498	462	2200	1	9
160	15760	BDWF	1983	1	1	520	484	2050	1	9
161	15761	BDWF	1983	1	1	510	467	1900	2	4
162	15762	BDWF	1983	1	1	480	442	1675	1	9
163	15763	BDWF	1983	2	1	480	453	1900	2	4
164	15764	BDWF	1983	2	1	442	409	1450	2	4
165	15765	BDWF	1983	2	1	468	425	1300	1	9
166	15766	BDWF	1983	2	1	499	459	1875	1	9
167	15767	BDWF	1983	2	1	497	457	1875	1	9
168	15768	BDWF	1983	2	1	510	468	2000	1	9
169	15769	BDWF	1983	2	1	480	445	1950	1	9
170	15770	BDWF	1983	2	1	490	466	1950	2	4
171	15771	BDWF	1983	1	1	467	429	1800	2	4
172	15772	BDWF	1983	1	1	460	428	1750	1	9
173	15773	BDWF	1983	1	1	483	445	1700	2	4
174	15774	BDWF	1983	1	1	504	463	1950	1	8
175	15775	BDWF	1983	1	1	450	420	1625	1	8
176	15776	BDWF	1983	1	1	505	469	1875	1	8
177	15777	BDWF	1983	1	1	510	475	1900	1	9
178	15778	BDWF	1983	1	1	485	427	1500	1	9
179	15779	BDWF	1983	1	1	534	493	2600	1	9
180	15780	BDWF	1983	2	1	530	498	2100	2	4
181	15781	BDWF	1983	2	1	480	443	1500	1	9
182	15782	BDWF	1983	2	1	450	425	1575	1	9
183	15783	BDWF	1983	2	1	477	439	1850	2	4
184	15784	BDWF	1983	2	1	490	457	1950	2	4
185	15785	BDWF	1983	2	1	475	438	1675	2	4
186	15786	BDWF	1983	2	1	485	435	1500	2	4
187	15787	BDWF	1983	2	1	470	441	1525	1	9
188	15788	BDWF	1983	2	1	450	435	1400	2	4
189	16001	BDWF	1984	9	1	481	436	1535	1	9
190	16002	BDWF	1984	9	1	485	445	1685	2	4
191	16003	BDWF	1984	9	1	432	395	1141	2	4
192	16004	LKWF	1984	18	1	484	425	1377	1	10
193	16006	LKWF	1984	18	1	446	410	1105	2	5
194	16007	BDWF	1984	9	1	485	443	1667	2	2
195	16008	BDWF	1984	11	1	475	435	1692	1	9
196	16009	BDWF	1984	11	1	511	479	1658	2	4
197	16010	BDWF	1984	11	1	489	436	1537	2	5
198	16011	BDWF	1984	11	1	484	445	1512	1	10
199	16012	BDWF	1984	11	1	501	480	1981	1	8
200	16013	BDWF	1984	11	1	502	458	1897	1	8
201	16014	BDWF	1984	11	1	508	467	1988	1	9
202	16015	BDWF	1984	11	1	488	447	1519	1	10
203	16016	BDWF	1984	11	1	500	464	2179	2	5
204	16017	LKWF	1984	18	1	422	385	990	1	7
205	16018	LKWF	1984	18	1	450	408	1145	2	5
206	16019	BDWF	1984	9	1	458	412	1501	1	9
207	16020	BDWF	1984	9	1	468	425	1428	1	5
208	16021	BDWF	1984	9	1	460	426	1391	2	4
209	16022	BDWF	1984	11	1	485	445	1797	1	10
210	16023	LSCS	1985	28	1	35	.	1	.	.
211	16024	LSCS	1985	28	1	32	.	1	.	.
212	16025	LSCS	1985	28	1	33	.	1	.	.
213	16026	LSCS	1985	28	1	42	.	1	.	.
214	16027	BDWF	1985	28	1	95	.	10	.	.
215	16028	BDWF	1985	28	1	94	.	9	.	.
216	16029	BDWF	1985	28	1	79	.	6	.	.
217	16030	LKWF	1985	28	1	109	.	13	.	.
218	16031	BDWF	1985	28	1	104	.	12	.	.
219	16032	LSCS	1985	28	1	33	.	1	.	.
220	16033	LKWF	1985	28	1	123	.	15	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
221	16034	BDWF	1985	26	1	134	.	23	.	.
222	16035	LSCS	1985	26	1	68	.	2	.	.
223	16036	LSCS	1985	26	1	26	.	1	.	.
224	16037	LSCS	1985	26	1	27	.	1	.	.
225	16038	LSCS	1985	26	1	30	.	1	.	.
226	16039	BDWF	1985	26	1	42	.	1	.	.
227	16040	LSCS	1985	26	1	.	.	1	.	.
228	16041	LSCS	1985	26	1	79	.	3	.	.
229	16042	LSCS	1985	26	1	120	.	10	.	.
230	16043	LSCS	1985	26	1	32	.	1	.	.
231	16044	LSCS	1985	26	1	154	.	28	.	.
232	16045	LSCS	1985	26	1	25	.	1	.	.
233	16046	BDWF	1985	26	1	36	.	1	.	.
234	16047	NSSB	1985	26	1	33	.	1	.	.
235	16048	BDWF	1985	26	1	113	.	10	.	.
236	16049	LSCS	1985	26	1	159	.	27	.	.
237	16050	NSSB	1985	26	1	51	.	8	.	.
238	16051	LKWF	1985	26	1	105	.	11	.	.
239	16052	LSCS	1985	26	1	92	.	5	.	.
240	16053	LSCS	1985	26	1	121	.	11	.	.
241	16054	LSCS	1985	26	1	98	.	6	.	.
242	16055	LSCS	1985	26	1	123	.	12	.	.
243	16056	LSCS	1985	26	1	37	.	1	.	.
244	16057	LSCS	1985	26	1	84	.	5	.	.
245	16058	LSCS	1985	26	1	94	.	6	.	.
246	16059	LSCS	1985	26	1	37	.	1	.	.
247	16060	BDWF	1985	26	1	97	.	8	.	.
248	16061	LSCS	1985	26	1	97	.	5	.	.
249	16062	LSCS	1985	26	1	88	.	4	.	.
250	16063	LSCS	1985	26	1	28	.	1	.	.
251	16064	LSCS	1985	26	1	119	.	12	.	.
252	16065	LSCS	1985	26	1	147	.	28	.	.
253	16066	LSCS	1985	26	1	33	.	1	.	.
254	16067	BDWF	1985	26	1	95	.	8	.	.
255	16068	LSCS	1985	26	1	143	.	18	.	.
256	16069	LSCS	1985	26	1	35	.	1	.	.
257	16070	LSCS	1985	26	1	40	.	1	.	.
258	16071	BDWF	1985	26	1	111	.	14	.	.
259	16072	BDWF	1985	26	1	118	.	16	.	.
260	16073	LSCS	1985	26	1	96	.	4	.	.
261	16074	LSCS	1985	26	1	101	.	8	.	.
262	16097	INCO	1984	18	1	437	.	1568	.	.
263	16098	LKWF	1984	18	1	419	379	1027	1	.
264	16099	LKWF	1984	22	1	.	352	869	2	.
265	16100	XXXX	1985	.	.	.	676	4623	1	.
266	16101	BDWF	1984	5	1	488	441	1941	2	4
267	16102	BDWF	1984	5	1	524	441	2137	1	8
268	16103	BDWF	1984	5	1	520	481	2142	2	4
269	16104	BDWF	1984	5	1	492	451	1745	2	4
270	16105	BDWF	1984	5	1	485	440	1781	1	8
271	16106	BDWF	1984	5	1	464	427	1473	2	4
272	16107	BDWF	1984	5	1	436	398	1191	1	8
273	16108	BDWF	1984	5	1	485	421	1417	1	6
274	16109	BDWF	1984	5	1	475	431	1688	1	8
275	16110	BDWF	1984	11	1	466	432	1478	1	8
276	16111	BDWF	1984	11	1	481	422	1557	1	8
277	16112	BDWF	1984	11	1	523	482	2274	1	8
278	16113	BDWF	1984	11	1	441	404	1268	1	8
279	16114	BDWF	1984	11	1	465	418	1401	1	8
280	16115	BDWF	1984	11	1	502	460	1680	1	8
281	16116	BDWF	1984	13	1	508	489	1696	1	9
282	16117	BDWF	1984	13	1	567	521	2701	1	10
283	16118	BDWF	1984	13	1	489	431	1360	1	10
284	16119	BDWF	1984	13	1	547	502	2186	1	10
285	16120	BDWF	1984	13	1	481	432	1524	1	10
286	16121	BDWF	1984	13	1	516	480	1953	1	10
287	16122	BDWF	1984	8	1	498	438	2008	1	8
288	16123	BDWF	1984	8	1	486	423	1598	1	10
289	16124	BDWF	1984	8	1	.	409	1533	1	6
290	16125	BDWF	1984	8	1	485	443	1788	1	8
291	16126	BDWF	1984	8	1	489	442	1748	1	8
292	16127	BDWF	1984	8	1	440	403	1224	1	8
293	16128	BDWF	1984	8	1	492	448	2018	1	9
294	16129	BDWF	1984	8	1	480	447	2080	2	5
295	16130	BDWF	1984	12	1	.	.	2080	2	5
296	16131	BDWF	1984	12	1	.	458	1700	1	10
297	16132	BDWF	1984	12	1	.	482	1848	1	10
298	16133	BDWF	1984	12	1	.	.	1948	2	5
299	16134	BDWF	1984	12	1	.	.	1957	2	5
300	16135	BDWF	1984	12	1	.	.	2002	1	9
301	16136	BDWF	1984	12	1	.	459	1674	2	5
302	16137	BDWF	1984	12	1	.	.	1670	2	5
303	16138	BDWF	1984	15	1	.	535	3670	2	4
304	16139	BDWF	1984	15	1	.	521	2511	2	4
305	16140	BDWF	1984	15	1	.	.	2187	1	9
306	16141	BDWF	1984	15	1	.	497	1699	2	4
307	16142	BDWF	1984	15	1	.	486	2134	2	4
308	16143	BDWF	1984	15	1	.	.	3112	2	4
309	16144	BDWF	1984	15	1	.	527	2660	1	9
310	16145	BDWF	1984	15	1	.	.	2858	2	4
311	16146	BDWF	1984	14	1	477	442	1634	1	10
312	16147	BDWF	1984	14	1	476	443	1680	1	10
313	16148	BDWF	1984	14	1	483	442	1668	1	10
314	16149	BDWF	1984	14	1	495	456	1836	1	8
315	16150	BDWF	1984	14	1	518	479	2059	1	8
316	16151	BDWF	1984	14	1	.	443	1570	1	10
317	16152	BDWF	1984	14	1	452	409	1314	1	9
318	16153	BDWF	1984	14	1	485	448	1673	1	10
319	16154	BDWF	1984	11	1	480	441	1652	1	10
320	16155	BDWF	1984	11	1	475	434	1483	1	10
321	16156	BDWF	1984	11	1	537	489	2344	2	4
322	16157	BDWF	1984	13	1	487	428	1240	2	5
323	16158	BDWF	1984	13	1	518	475	2050	1	9
324	16159	BDWF	1984	13	1	502	462	1728	2	5
325	16160	BDWF	1984	13	1	540	494	1845	2	5
326	16161	BDWF	1984	13	1	499	458	1579	1	10
327	16162	BDWF	1984	13	1	476	442	1622	1	9
328	16163	BDWF	1984	13	1	491	453	1851	1	9
329	16164	BDWF	1984	13	1	495	431	1618	1	9
330	16165	BDWF	1984	8	1	.	.	1840	2	5

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
331	16166	BDWF	1984	8	1	517	473	1784	1	9
332	16167	BDWF	1984	8	1	.	474	1893	2	5
333	16168	BDWF	1984	8	1	.	503	2130	2	5
334	16169	BDWF	1984	8	1	.	453	1711	2	5
335	16170	BDWF	1984	8	1	.	442	1645	2	4
336	16171	BDWF	1984	8	1	.	473	1588	1	9
337	16172	BDWF	1984	8	1	.	444	1672	1	9
338	16173	BDWF	1984	12	1	.	.	1769	2	5
339	16174	BDWF	1984	12	1	.	.	1829	1	10
340	16175	BDWF	1984	12	1	.	.	1409	2	5
341	16176	BDWF	1984	12	1	.	448	1817	1	9
342	16177	BDWF	1984	12	1	.	.	2480	1	10
343	16178	BDWF	1984	12	1	.	.	1589	1	10
344	16179	BDWF	1984	12	1	.	.	1458	2	5
345	16180	BDWF	1984	15	1	.	492	2081	1	10
346	16181	BDWF	1984	15	1	.	469	1825	2	4
347	16182	BDWF	1984	15	1	.	474	1977	2	4
348	16183	BDWF	1984	15	1	.	508	2317	1	9
349	16184	BDWF	1984	15	1	.	490	2193	2	4
350	16185	BDWF	1984	15	1	.	484	2327	1	9
351	16186	BDWF	1984	15	1	.	530	2524	2	4
352	16187	BDWF	1984	15	1	.	502	1952	1	9
353	16188	BDWF	1984	15	1	.	501	1873	1	9
354	16189	BDWF	1984	14	1	436	415	1388	1	9
355	16190	BDWF	1984	14	1	484	449	1608	1	9
356	16191	BDWF	1984	14	1	463	422	1534	1	10
357	16192	BDWF	1984	14	1	472	434	1612	1	9
358	16193	BDWF	1984	14	1	492	450	1683	1	9
359	16194	BDWF	1984	14	1	497	454	1578	1	9
360	16195	BDWF	1984	14	1	442	398	1262	1	9
361	16196	BDWF	1984	14	1	440	404	1266	2	4
362	16197	BDWF	1984	14	1	504	452	1826	1	9
363	16198	BDWF	1985	11	1	486	434	1084	2	5
364	16199	BDWF	1984	11	1	486	447	1751	1	10
365	16200	BDWF	1984	11	1	553	510	2275	1	10
366	16201	BDWF	1984	11	1	521	487	2198	1	9
367	16202	BDWF	1984	11	1	480	440	1798	1	9
368	16203	BDWF	1984	11	1	477	436	1802	1	10
369	16204	BDWF	1984	13	1	565	524	2126	2	5
370	16205	BDWF	1984	13	1	494	454	1645	2	5
371	16206	BDWF	1984	13	1	507	472	1865	2	5
372	16207	BDWF	1984	13	1	504	464	1647	1	9
373	16208	BDWF	1984	13	1	484	449	1521	2	5
374	16209	BDWF	1984	13	1	548	507	2158	2	5
375	16210	BDWF	1984	13	1	524	486	1809	1	10
376	16211	BDWF	1984	13	1	509	467	1804	2	5
377	16212	BDWF	1984	8	1	.	495	2919	2	4
378	16213	BDWF	1984	8	1	.	426	1606	2	5
379	16214	BDWF	1984	8	1	.	476	1748	1	5
380	16215	BDWF	1984	8	1	.	.	1771	1	9
381	16216	BDWF	1984	8	1	497	463	2035	2	4
382	16217	BDWF	1984	8	1	515	489	2391	2	4
383	16218	BDWF	1984	8	1	517	475	2149	1	10
384	16219	BDWF	1984	12	1	.	423	1493	1	9
385	16220	BDWF	1984	12	1	.	401	1261	1	10
386	16221	BDWF	1984	12	1	.	460	1809	1	10
387	16222	BDWF	1984	12	1	.	453	1955	1	10
388	16223	BDWF	1984	12	1	.	443	1512	1	10
389	16224	BDWF	1984	12	1	.	417	1446	1	10
390	16225	BDWF	1984	12	1	.	.	1339	1	5
391	16226	BDWF	1984	12	1	.	493	2129	1	10
392	16227	BDWF	1984	12	1	.	.	1915	2	5
393	16228	BDWF	1984	15	1	.	496	1988	1	9
394	16229	BDWF	1984	15	1	.	547	2791	1	9
395	16230	BDWF	1984	15	1	.	530	2156	1	9
396	16231	BDWF	1984	15	1	.	484	1995	1	9
397	16232	BDWF	1984	15	1	.	493	2541	1	9
398	16233	BDWF	1984	15	1	.	542	2667	2	4
399	16234	BDWF	1984	15	1	.	496	2189	1	10
400	16235	BDWF	1984	15	1	566	523	2496	1	9
401	16236	BDWF	1984	15	1	.	508	2491	1	9
402	16237	BDWF	1984	14	1	452	416	1257	2	5
403	16238	BDWF	1984	14	1	475	438	1482	1	10
404	16239	BDWF	1984	14	1	.	427	1488	2	5
405	16240	BDWF	1984	14	1	.	410	1427	1	9
406	16241	BDWF	1984	14	1	505	456	1635	1	9
407	16242	BDWF	1984	14	1	472	437	1845	1	10
408	16243	BDWF	1984	14	1	480	437	1621	1	10
409	16244	BDWF	1984	14	1	480	434	1680	1	10
410	16245	BDWF	1984	11	1	479	437	1785	1	10
411	16246	BDWF	1984	11	1	485	448	1643	1	10
412	16247	BDWF	1984	11	1	495	453	1738	1	9
413	16248	BDWF	1984	11	1	509	464	1848	1	10
414	16249	BDWF	1984	11	1	478	439	1623	1	9
415	16250	BDWF	1984	13	1	493	457	1644	2	5
416	16251	BDWF	1984	13	1	556	508	2204	1	9
417	16252	BDWF	1984	13	1	511	471	1862	1	9
418	16253	BDWF	1984	13	1	542	497	2725	1	9
419	16254	BDWF	1984	13	1	498	461	1742	1	10
420	16255	BDWF	1984	13	1	484	446	1388	2	5
421	16256	BDWF	1984	13	1	500	457	1664	2	5
422	16257	BDWF	1984	13	1	524	483	1589	2	5
423	16258	BDWF	1984	8	1	515	472	1807	2	5
424	16259	BDWF	1984	8	1	.	.	2360	2	4
425	16260	BDWF	1984	8	1	.	486	2138	1	9
426	16261	BDWF	1984	8	1	553	507	2369	2	5
427	16262	BDWF	1984	8	1	496	459	1897	2	5
428	16263	BDWF	1984	8	1	417	417	1414	1	7
429	16264	BDWF	1984	8	1	527	483	1933	2	5
430	16265	BDWF	1984	8	1	.	483	1532	2	5
431	16266	BDWF	1984	12	1	.	448	1826	1	9
432	16267	BDWF	1984	12	1	.	.	1550	2	5
433	16268	BDWF	1984	12	1	.	.	1545	2	5
434	16269	BDWF	1984	12	1	.	.	1577	1	9
435	16270	BDWF	1984	12	1	.	.	2056	2	5
436	16271	BDWF	1984	12	1	.	.	2548	1	9
437	16272	BDWF	1984	12	1	482	435	1426	2	5
438	16273	BDWF	1984	12	1	467	422	1486	1	9
439	16274	BDWF	1984	15	1	.	498	2256	2	4
440	16275	BDWF	1984	15	1	.	516	2292	1	9

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
441	16276	BDWF	1984	15	1	.	.	1938	1	9
442	16277	BDWF	1984	15	1	.	483	1853	2	4
443	16278	BDWF	1984	15	1	.	430	1417	2	4
444	16279	BDWF	1984	15	1	546	502	2246	1	9
445	16280	BDWF	1984	14	1	478	452	1626	1	9
446	16281	BDWF	1984	14	1	509	470	1879	1	9
447	16282	BDWF	1984	14	1	443	412	1353	2	5
448	16283	BDWF	1984	14	1	509	470	1976	1	10
449	16284	BDWF	1984	14	1	502	464	1899	1	9
450	16285	BDWF	1984	14	1	495	449	1584	1	10
451	16286	BDWF	1984	14	1	475	435	1596	1	10
452	16287	BDWF	1984	14	1	476	436	1523	1	10
453	16288	BDWF	1984	11	1	462	424	1340	1	10
454	16289	BDWF	1984	11	1	520	478	2382	1	10
455	16290	BDWF	1984	11	1	464	423	1354	1	9
456	16291	BDWF	1984	11	1	448	407	1225	1	10
457	16292	BDWF	1984	11	1	482	447	1936	1	10
458	16293	BDWF	1984	11	1	522	477	2226	2	4
459	16294	BDWF	1984	11	1	502	460	1707	2	5
460	16295	BDWF	1984	11	1	552	508	2983	1	10
461	16296	BDWF	1984	13	1	487	445	1358	2	5
462	16297	BDWF	1984	13	1	490	444	1548	1	10
463	16298	BDWF	1984	13	1	472	430	1266	2	5
464	16299	BDWF	1984	13	1	537	492	1878	2	5
465	16300	BDWF	1984	13	1	466	423	1430	1	10
466	16301	BDWF	1984	13	1	463	420	1566	1	9
467	16302	BDWF	1984	13	1	462	419	1312	1	9
468	16303	BDWF	1984	13	1	495	451	1855	1	9
469	16304	BDWF	1984	8	1	480	449	2044	2	2
470	16305	BDWF	1984	8	1	538	500	1778	1	7
471	16306	BDWF	1984	8	1	.	443	1649	2	5
472	16307	BDWF	1984	8	1	502	467	1810	2	5
473	16308	BDWF	1984	8	1	.	385	1212	1	9
474	16309	BDWF	1984	8	1	474	441	1393	2	5
475	16310	BDWF	1984	8	1	.	460	1415	2	5
476	16311	BDWF	1984	8	1	480	443	1533	1	9
477	16312	BDWF	1984	12	1	436	404	1275	2	5
478	16313	LKWF	1984	12	1	447	408	1050	1	9
479	16314	BDWF	1984	12	1	506	457	1728	1	9
480	16315	BDWF	1984	12	1	504	462	1448	2	5
481	16316	BDWF	1984	12	1	489	448	1832	1	9
482	16317	BDWF	1984	12	1	475	437	1282	2	4
483	16318	BDWF	1984	12	1	509	466	1571	2	5
484	16319	BDWF	1984	12	1	475	436	1614	1	9
485	16320	BDWF	1984	15	1	.	.	2324	2	4
486	16321	BDWF	1984	15	1	.	533	2927	1	10
487	16322	BDWF	1984	15	1	.	.	.	1	10
488	16323	BDWF	1984	15	1	.	484	2147	1	9
489	16324	BDWF	1984	15	1	.	539	2786	2	4
490	16325	BDWF	1984	15	1	.	530	2408	1	9
491	16326	BDWF	1984	15	1	.	.	2136	1	9
492	16327	BDWF	1984	15	1	.	462	1608	1	10
493	16328	BDWF	1984	14	1	470	431	1602	1	10
494	16329	BDWF	1984	14	1	.	473	1999	1	9
495	16330	BDWF	1984	14	1	489	438	1653	1	10
496	16331	LKWF	1984	14	1	432	392	1223	2	2
497	16332	BDWF	1984	14	1	485	436	1537	1	10
498	16333	BDWF	1984	14	1	435	398	1155	2	5
499	16334	BDWF	1984	14	1	510	463	1718	2	10
500	16335	BDWF	1984	14	1	467	424	1354	1	10
501	16336	BDWF	1984	14	1	453	416	1383	2	5
502	16337	BDWF	1984	14	1	505	461	1577	2	5
503	16338	BDWF	1984	11	1	468	430	1137	2	5
504	16339	BDWF	1984	11	1	475	434	1430	1	9
505	16340	BDWF	1984	11	1	504	465	1747	1	10
506	16341	BDWF	1984	11	1	458	416	1478	1	9
507	16342	BDWF	1984	11	1	523	489	2114	1	10
508	16343	BDWF	1984	11	1	508	477	2008	1	10
509	16344	BDWF	1984	13	1	467	425	1244	2	5
510	16345	BDWF	1984	13	1	458	420	1446	1	10
511	16346	BDWF	1984	13	1	538	490	1915	2	5
512	16347	BDWF	1984	13	1	525	478	2473	1	9
513	16348	BDWF	1984	13	1	491	452	1676	2	5
514	16349	BDWF	1984	13	1	486	440	1672	1	9
515	16350	BDWF	1984	13	1	487	445	1371	2	5
516	16351	BDWF	1984	13	1	545	495	2274	1	9
517	16352	BDWF	1984	13	1	503	457	2054	1	10
518	16353	BDWF	1984	8	1	488	451	1729	1	9
519	16354	BDWF	1984	8	1	.	469	2527	2	4
520	16355	BDWF	1984	8	1	476	438	1483	1	9
521	16356	BDWF	1984	8	1	495	463	1974	2	5
522	16357	BDWF	1984	8	1	.	461	1546	2	5
523	16358	BDWF	1984	8	1	.	494	2309	1	9
524	16359	BDWF	1984	8	1	.	457	1635	2	5
525	16360	BDWF	1984	8	1	.	467	1808	2	4
526	16361	BDWF	1984	8	1	.	489	2237	2	5
527	16362	BDWF	1984	12	1	509	460	2069	1	9
528	16363	BDWF	1984	12	1	486	441	1425	1	9
529	16364	BDWF	1984	12	1	506	466	1628	2	4
530	16365	BDWF	1984	12	1	525	477	2181	1	10
531	16366	BDWF	1984	12	1	492	448	1661	1	9
532	16367	BDWF	1984	12	1	465	425	1391	1	9
533	16368	BDWF	1984	12	1	479	440	1635	2	5
534	16369	BDWF	1984	12	1	438	401	1267	1	9
535	16370	BDWF	1984	15	1	.	455	1785	1	9
536	16371	BDWF	1984	15	1	.	.	.	1	9
537	16372	BDWF	1984	15	1	.	491	2208	2	4
538	16373	BDWF	1984	15	1	.	486	2054	1	9
539	16374	BDWF	1984	15	1	.	507	2601	2	4
540	16375	BDWF	1984	15	1	.	469	1864	1	9
541	16376	BDWF	1984	15	1	.	520	2164	1	9
542	16377	BDWF	1984	15	1	.	.	.	1	10
543	16378	BDWF	1984	14	1	501	456	1868	1	10
544	16379	BDWF	1984	14	1	490	441	1720	1	10
545	16380	BDWF	1984	14	1	500	457	1823	1	10
546	16381	BDWF	1984	14	1	481	435	1472	1	10
547	16382	BDWF	1984	14	1	501	453	1782	1	10
548	16383	BDWF	1984	14	1	418	378	1041	1	9
549	16384	BDWF	1984	14	1	477	436	1777	1	9
550	16385	BDWF	1984	11	1	529	484	2170	1	10

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
551	16386	BDWF	1984	11	1	492	484	1851	1	10
552	16387	BDWF	1984	11	1	484	423	1399	1	10
553	16388	BDWF	1984	11	1	519	475	1984	1	9
554	16389	BDWF	1984	11	1	553	496	2541	1	10
555	16390	BDWF	1984	11	1	532	488	2651	1	10
556	16391	BDWF	1984	11	1	513	464	2182	1	10
557	16392	BDWF	1984	11	1	539	493	2116	1	10
558	16393	BDWF	1984	11	1	517	474	2062	1	9
559	16394	BDWF	1984	13	1	544	498	1821	2	5
560	16395	BDWF	1984	13	1	516	477	1947	2	5
561	16396	BDWF	1984	13	1	580	532	2523	2	5
562	16397	BDWF	1984	8	1	497	463	1599	2	5
563	16398	BDWF	1984	8	1	.	436	1523	1	9
564	16399	BDWF	1984	8	1	510	475	1679	2	5
565	16400	BDWF	1984	15	1	.	470	1916	1	9
566	16401	BDWF	1984	15	1	.	.	1954	1	10
567	16402	BDWF	1984	11	1	509	466	2062	1	10
568	16403	BDWF	1984	11	1	490	451	1710	1	10
569	16404	BDWF	1984	11	1	452	414	1090	2	5
570	16405	BDWF	1984	11	1	493	455	1619	1	10
571	16406	BDWF	1984	11	1	529	490	2207	1	10
572	16407	BDWF	1984	11	1	550	507	2459	1	10
573	16408	BDWF	1984	11	1	473	437	1528	1	10
574	16409	BDWF	1984	14	1	.	431	1633	1	10
575	16410	BDWF	1984	14	1	480	436	1669	1	10
576	16411	BDWF	1984	16	1	445	405	1252	1	10
577	16412	BDWF	1984	16	1	429	388	940	1	10
578	16413	BDWF	1984	16	1	425	389	931	2	4
579	16414	BDWF	1984	16	1	440	400	1197	2	7
580	16415	BDWF	1984	16	1	380	339	628	2	5
581	16416	BDWF	1984	16	1	412	372	789	1	6
582	16417	LKWF	1984	17	1	439	400	1447	2	4
583	16418	LKWF	1984	17	1	470	422	1628	2	2
584	16419	BDWF	1984	17	1	489	449	1907	2	4
585	16420	BDWF	1984	9	1	445	402	1229	2	4
586	16421	BDWF	1984	9	1	475	433	1739	2	4
587	16422	BDWF	1984	9	1	504	463	1891	2	5
588	16423	BDWF	1984	9	1	499	453	1847	2	9
589	16424	BDWF	1984	9	1	454	411	1525	2	4
590	16425	BDWF	1984	9	1	505	467	1649	2	4
591	16426	BDWF	1984	9	1	473	433	1884	2	4
592	16427	BDWF	1984	9	1	462	422	1505	1	9
593	16428	BDWF	1984	19	1	553	510	2693	2	5
594	16429	BDWF	1984	19	1	510	477	2009	2	2
595	16430	BDWF	1984	10	1	520	477	2486	1	9
596	16431	BDWF	1984	10	1	475	440	1675	2	4
597	16432	BDWF	1984	10	1	487	447	1902	2	4
598	16433	BDWF	1984	10	1	.	450	1777	2	4
599	16434	BDWF	1984	10	1	.	460	1875	2	4
600	16435	BDWF	1984	10	1	464	433	1676	2	4
601	16436	BDWF	1984	10	1	483	455	1938	2	4
602	16437	BDWF	1984	10	1	514	468	2174	1	9
603	16438	BDWF	1984	10	1	.	440	1965	2	4
604	16439	BDWF	1984	16	1	424	387	1063	1	10
605	16440	BDWF	1984	16	1	414	381	872	1	10
606	16441	BDWF	1984	16	1	416	378	852	1	7
607	16442	BDWF	1984	16	1	449	415	1078	2	5
608	16443	BDWF	1984	16	1	476	438	1259	1	7
609	16444	BDWF	1984	17	1	538	490	2730	2	4
610	16445	BDWF	1984	17	1	509	472	2231	1	10
611	16446	BDWF	1984	9	1	481	440	1650	1	9
612	16447	BDWF	1984	9	1	498	453	1928	2	2
613	16448	BDWF	1984	9	1	.	.	1094	2	4
614	16449	BDWF	1984	9	1	515	472	1678	2	5
615	16450	BDWF	1984	9	1	530	486	2346	1	7
616	16451	BDWF	1984	9	1	441	412	1360	1	9
617	16452	BDWF	1984	9	1	494	454	1846	2	4
618	16453	BDWF	1984	10	1	489	451	1931	1	9
619	16454	BDWF	1984	10	1	.	432	1478	2	4
620	16455	BDWF	1984	10	1	.	484	2002	2	4
621	16456	BDWF	1984	10	1	.	483	2253	2	4
622	16457	BDWF	1984	10	1	500	463	1778	2	4
623	16458	BDWF	1984	10	1	.	483	2184	2	4
624	16459	BDWF	1984	10	1	.	450	1590	2	5
625	16460	BDWF	1984	10	1	516	478	2241	1	9
626	16461	BDWF	1984	10	1	.	479	2126	2	4
627	16462	BDWF	1984	10	1	.	420	1584	2	4
628	16463	BDWF	1984	16	1	.	380	1000	1	10
629	16464	BDWF	1984	16	1	407	372	820	2	5
630	16465	BDWF	1984	16	1	430	398	856	2	5
631	16466	BDWF	1984	16	1	435	395	983	2	5
632	16467	BDWF	1984	17	1	526	483	2209	1	9
633	16468	BDWF	1984	10	1	.	443	1713	2	4
634	16469	BDWF	1984	10	1	.	486	2509	2	4
635	16470	BDWF	1984	10	1	505	462	1729	2	5
636	16471	BDWF	1984	10	1	494	443	2021	2	4
637	16472	BDWF	1984	10	1	468	432	1562	2	4
638	16473	BDWF	1984	10	1	504	461	2024	2	4
639	16474	BDWF	1984	10	1	485	442	1968	2	4
640	16475	BDWF	1984	10	1	455	416	1370	2	4
641	16476	BDWF	1984	10	1	515	473	2243	1	9
642	16477	BDWF	1984	10	1	525	486	2228	2	4
643	16478	BDWF	1984	10	1	.	462	1660	2	4
644	16479	BDWF	1984	10	1	.	420	1673	2	4
645	16480	BDWF	1984	10	1	.	439	1773	1	9
646	16481	BDWF	1984	10	1	496	449	1936	1	9
647	16482	BDWF	1984	10	1	478	444	1926	2	4
648	16483	BDWF	1984	10	1	.	458	1984	2	4
649	16484	BDWF	1984	10	1	480	430	1720	2	4
650	16485	BDWF	1984	10	1	490	459	1813	2	4
651	16486	BDWF	1984	10	1	.	487	2289	2	4
652	16487	BDWF	1984	10	1	490	463	2175	2	4
653	16488	BDWF	1984	10	1	.	443	1643	2	4
654	16489	BDWF	1984	10	1	498	463	2025	2	4
655	16490	BDWF	1984	10	1	465	437	1840	2	4
656	16491	BDWF	1984	10	1	486	445	1800	2	4
657	16492	BDWF	1984	10	1	529	486	2576	1	9
658	16493	BDWF	1984	10	1	.	434	1955	1	9
659	16494	BDWF	1984	10	1	.	443	1588	2	5
660	16495	BDWF	1984	10	1	.	536	3206	1	9

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
661	16496	BDWF	1984	10	1	.	465	1851	2	4
662	16497	BDWF	1984	10	1	.	433	1770	2	4
663	16498	LKWF	1984	18	1	420	394	1041	2	5
664	16499	LKWF	1984	18	1	430	398	1237	1	6
665	16500	LKWF	1984	18	1	445	403	1132	1	10
666	16501	LKWF	1984	18	1	436	396	1072	2	2
667	16502	LKWF	1984	18	1	444	404	1139	2	5
668	16503	LKWF	1984	18	1	440	398	1156	1	10
669	16504	LKWF	1984	18	1	465	426	1348	1	9
670	16505	LKWF	1984	18	1	432	391	1032	2	4
671	16506	LKWF	1984	18	1	510	468	2009	2	5
672	16507	LKWF	1984	20	1	.	464	1712	2	5
673	16508	LKWF	1984	20	1	451	414	1127	2	2
674	16509	LKWF	1984	20	1	.	430	1217	2	2
675	16510	LKWF	1984	20	1	441	407	1180	1	10
676	16511	LKWF	1984	20	1	577	527	2701	1	9
677	16512	LKWF	1984	20	1	591	550	3837	1	10
678	16513	LKWF	1984	20	1	.	440	1444	1	10
679	16514	LKWF	1984	20	1	623	576	4167	1	9
680	16515	LKWF	1984	20	1	.	546	3605	1	10
681	16516	LKWF	1984	20	1	.	566	3771	1	10
682	16517	LKWF	1984	18	1	479	437	1476	2	5
683	16518	LKWF	1984	18	1	.	344	811	1	6
684	16519	LKWF	1984	18	1	419	388	910	2	5
685	16520	LKWF	1984	18	1	442	385	1083	2	2
686	16521	LKWF	1984	18	1	440	403	1138	2	5
687	16522	LKWF	1984	18	1	454	412	1198	2	5
688	16523	LKWF	1984	18	1	444	400	1169	2	5
689	16524	LKWF	1984	18	1	423	385	1073	2	5
690	16525	LKWF	1984	18	1	397	361	892	1	7
691	16526	LKWF	1984	20	1	591	533	3873	1	10
692	16527	LKWF	1984	20	1	587	539	3295	1	10
693	16528	LKWF	1984	20	1	539	506	2762	1	10
694	16529	LKWF	1984	20	1	.	405	1305	1	10
695	16530	LKWF	1984	20	1	.	434	1518	2	2
696	16531	LKWF	1984	20	1	431	407	1303	1	6
697	16532	LKWF	1984	20	1	441	416	1580	1	10
698	16533	LKWF	1984	20	1	459	422	1372	2	5
699	16534	LKWF	1984	20	1	590	545	4209	1	10
700	16535	LKWF	1984	20	1	608	557	3874	1	10
701	16536	LKWF	1984	20	1	.	556	3608	2	5
702	16537	LKWF	1984	20	1	592	543	3809	1	10
703	16538	LKWF	1984	20	1	438	399	1246	1	10
704	16539	LKWF	1984	20	1	.	412	1349	1	10
705	16540	LKWF	1984	20	1	.	431	1554	2	5
706	16541	LKWF	1984	20	1	432	399	1216	2	2
707	16542	LKWF	1984	20	1	453	415	1301	2	5
708	16543	LKWF	1984	20	1	.	421	1439	1	10
709	16544	LKWF	1984	20	1	.	411	1212	1	6
710	16545	LKWF	1984	20	1	.	411	1279	1	10
711	16546	LKWF	1984	20	1	.	432	1441	1	10
712	16547	LKWF	1984	18	1	427	387	1212	1	10
713	16548	LKWF	1984	18	1	445	411	1193	2	5
714	16549	LKWF	1984	18	1	474	432	1386	2	5
715	16550	LKWF	1984	18	1	491	450	1481	2	5
716	16551	LKWF	1984	18	1	425	385	1069	1	10
717	16552	LKWF	1984	18	1	440	395	1201	1	10
718	16553	LKWF	1984	18	1	457	423	1361	1	7
719	16554	LKWF	1984	18	1	447	408	1207	1	10
720	16555	LKWF	1984	18	1	433	396	1102	1	10
721	16556	LKWF	1984	18	1	448	407	1291	1	10
722	16557	LKWF	1984	18	1	447	407	1187	1	7
723	16558	LKWF	1984	18	1	437	399	1194	2	2
724	16559	LKWF	1984	18	1	.	403	1051	1	9
725	16560	LKWF	1984	18	1	428	392	988	2	2
726	16561	LKWF	1984	18	1	492	448	1530	1	5
727	16562	LKWF	1984	18	1	488	446	1530	1	7
728	16563	LKWF	1984	18	1	440	404	1184	1	10
729	16564	LKWF	1984	18	1	401	368	949	1	10
730	16565	LKWF	1984	18	1	460	423	1230	2	5
731	16566	LKWF	1984	18	1	428	394	942	1	7
732	16567	LKWF	1984	18	1	469	433	1293	1	7
733	16568	LKWF	1984	18	1	344	312	547	1	8
734	16569	LKWF	1984	18	1	328	298	474	1	6
735	16570	LKWF	1984	18	1	424	388	1015	1	9
736	16571	LKWF	1984	18	1	431	392	1036	2	5
737	16572	LKWF	1984	18	1	411	374	911	1	7
738	16573	LKWF	1984	18	1	387	356	733	1	7
739	16574	LKWF	1984	18	1	405	365	896	2	5
740	16575	LKWF	1984	18	1	423	384	1081	1	6
741	16576	LKWF	1984	18	1	425	387	1025	1	10
742	16577	LKWF	1984	18	1	413	368	969	1	6
743	16578	LKWF	1984	18	1	434	398	1100	1	10
744	16579	LKWF	1984	18	1	444	401	1166	2	5
745	16580	LKWF	1984	18	1	449	411	1276	1	9
746	16581	LKWF	1984	18	1	430	386	1111	2	5
747	16582	LKWF	1984	18	1	514	464	2021	1	9
748	16583	LKWF	1984	18	1	466	425	1454	2	5
749	16584	LKWF	1984	18	1	447	404	1268	2	5
750	16585	LKWF	1984	18	1	439	400	1098	1	7
751	16586	LKWF	1984	21	1	293	265	314	2	1
752	16587	BDWF	1984	5	1	485	442	1714	2	4
753	16588	BDWF	1984	5	1	514	479	1894	1	9
754	16589	BDWF	1984	5	1	516	467	2077	1	9
755	16590	BDWF	1984	5	1	514	476	2000	1	9
756	16591	BDWF	1984	5	1	542	494	1863	2	4
757	16592	BDWF	1984	5	1	498	457	1546	1	8
758	16593	BDWF	1984	5	1	520	478	2145	1	8
759	16594	BDWF	1984	5	1	495	460	2216	2	4
760	16595	BDWF	1984	5	1	547	502	2630	1	8
761	16596	BDWF	1984	5	1	461	422	1354	1	9
762	16597	BDWF	1984	5	1	.	423	1684	2	4
763	16598	BDWF	1984	5	1	510	463	1807	2	4
764	16599	BDWF	1984	5	1	467	426	1641	2	4
765	16600	BDWF	1984	5	1	464	425	1396	1	8
766	16601	BDWF	1984	5	1	518	469	1974	1	8
767	16602	BDWF	1984	5	1	501	459	1678	1	8
768	16603	BDWF	1984	5	1	476	433	1584	2	4
769	16604	BDWF	1984	5	1	492	446	1838	1	8
770	16605	BDWF	1984	5	1	510	467	2185	2	4

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
771	16606	BDWF	1984	5	1	527	483	2187	2	4
772	16607	BDWF	1984	5	1	504	483	1937	2	4
773	16608	BDWF	1984	5	1	535	495	2243	2	4
774	16609	BDWF	1984	5	1	487	448	1801	1	8
775	16610	BDWF	1984	5	1	496	455	1713	1	8
776	16611	BDWF	1984	5	1	554	511	2902	2	4
777	16612	BDWF	1984	5	1	512	466	1715	1	9
778	16613	BDWF	1984	5	1	465	425	1551	2	4
779	16614	BDWF	1984	5	1	484	442	1650	1	8
780	16615	BDWF	1984	5	1	508	464	1985	2	4
781	16616	BDWF	1984	5	1	480	434	1938	1	8
782	16617	BDWF	1984	5	1	.	468	1812	1	8
783	16618	BDWF	1984	5	1	491	444	1984	2	4
784	16619	BDWF	1984	5	1	466	425	1446	2	4
785	16620	BDWF	1984	5	1	564	515	2388	1	8
786	16621	BDWF	1984	5	1	529	480	2324	2	4
787	16622	BDWF	1984	5	1	478	442	1702	2	4
788	16623	BDWF	1984	5	1	489	443	1741	1	8
789	16624	BDWF	1984	5	1	498	457	1955	2	4
790	16625	BDWF	1984	5	1	520	479	1952	1	8
791	16626	BDWF	1984	5	1	510	466	2093	2	4
792	16627	BDWF	1984	5	1	485	444	1760	1	8
793	16628	BDWF	1984	5	1	.	449	1672	2	4
794	16629	BDWF	1984	5	1	504	467	1982	1	8
795	16630	BDWF	1984	5	1	507	456	1810	1	9
796	16631	BDWF	1984	5	1	512	471	2375	2	4
797	16632	BDWF	1984	5	1	495	451	1761	2	4
798	16633	BDWF	1984	5	1	476	433	1614	1	8
799	16634	BDWF	1984	5	1	517	469	1900	1	8
800	16635	BDWF	1984	6	1	557	514	2981	2	4
801	16636	BDWF	1984	6	1	538	493	2429	1	8
802	16637	BDWF	1984	6	1	512	470	2150	2	4
803	16638	BDWF	1984	6	1	474	438	1671	2	4
804	16639	BDWF	1984	6	1	510	461	2035	1	8
805	16640	BDWF	1984	6	1	470	430	1714	2	4
806	16641	BDWF	1984	6	1	505	461	1706	1	9
807	16642	BDWF	1984	6	1	521	487	2189	1	4
808	16643	BDWF	1984	6	1	573	529	3276	2	4
809	16644	BDWF	1984	6	1	558	506	2493	1	8
810	16645	BDWF	1984	6	1	.	488	2181	1	8
811	16646	BDWF	1984	6	1	588	516	3085	1	9
812	16647	BDWF	1984	6	1	518	470	1725	1	8
813	16648	BDWF	1984	6	1	.	494	2469	1	8
814	16649	BDWF	1984	6	1	504	456	1877	2	4
815	16650	BDWF	1984	6	1	528	485	1949	2	4
816	16651	BDWF	1984	6	1	483	445	1822	2	4
817	16652	BDWF	1984	6	1	.	435	1706	2	4
818	16653	BDWF	1984	6	1	.	437	1586	2	4
819	16654	BDWF	1984	6	1	.	448	1858	2	4
820	16655	BDWF	1984	6	1	490	442	1594	1	8
821	16656	BDWF	1984	6	1	533	490	2510	2	4
822	16657	BDWF	1984	6	1	464	425	1667	2	4
823	16658	BDWF	1984	6	1	515	469	1984	2	4
824	16659	BDWF	1984	6	1	492	450	1715	2	4
825	16660	BDWF	1984	6	1	530	487	2243	1	9
826	16661	BDWF	1984	6	1	510	487	1970	1	9
827	16662	BDWF	1984	6	1	508	466	1832	1	9
828	16663	BDWF	1984	6	1	474	430	1475	2	4
829	16664	BDWF	1984	6	1	483	416	1464	2	4
830	16665	BDWF	1984	6	1	498	456	1677	1	8
831	16666	BDWF	1984	6	1	500	444	1668	1	8
832	16667	BDWF	1984	6	1	472	438	1655	1	8
833	16668	BDWF	1984	6	1	498	454	2017	1	8
834	16669	BDWF	1984	6	1	480	433	1789	1	8
835	16670	BDWF	1984	7	1	.	424	1589	1	8
836	16671	BDWF	1984	7	1	472	431	1671	2	4
837	16672	BDWF	1984	7	1	456	410	1576	1	9
838	16673	BDWF	1984	7	1	.	454	1962	1	8
839	16674	BDWF	1984	7	1	476	429	1535	1	9
840	16675	BDWF	1984	7	1	541	490	2487	1	7
841	16676	BDWF	1984	7	1	445	410	1804	1	8
842	16677	BDWF	1984	7	1	486	440	1778	1	8
843	16678	BDWF	1984	7	1	471	428	1594	1	8
844	16679	BDWF	1984	7	1	484	438	1865	1	9
845	16680	BDWF	1984	7	1	.	458	1715	2	4
846	16681	BDWF	1984	7	1	516	464	2099	1	9
847	16682	BDWF	1984	7	1	468	428	1719	2	4
848	16683	BDWF	1984	7	1	522	471	2025	1	9
849	16684	BDWF	1984	7	1	456	410	1687	2	4
850	16685	BDWF	1984	7	1	.	463	1721	2	9
851	16686	BDWF	1984	7	1	508	464	1942	1	9
852	16687	BDWF	1984	7	1	522	478	2094	1	9
853	16688	BDWF	1984	7	1	463	424	1815	2	4
854	16689	BDWF	1984	7	1	535	487	2479	1	8
855	16690	BDWF	1984	7	1	515	472	2182	1	9
856	16691	BDWF	1984	7	1	542	501	2196	1	9
857	16692	BDWF	1984	7	1	481	439	1695	1	9
858	16693	BDWF	1984	7	1	461	421	1417	1	9
859	16694	BDWF	1984	7	1	543	494	2487	1	9
860	16695	BDWF	1984	7	1	478	437	1633	2	4
861	16696	INCO	1985	23	1	785	860	8550	2	3
862	16697	INCO	1985	23	1	395	440	818	1	6
863	16699	LKWF	1985	55	2	368	330	788	.	.
864	16801	LKWF	1985	23	1	345	305	554	2	2
865	16802	LKWF	1985	23	1	310	280	348	2	1
866	16803	LKWF	1985	23	1	348	315	598	1	6
867	16804	LKWF	1985	23	1	345	295	577	2	2
868	16805	LKWF	1985	23	1	383	340	770	2	2
869	16806	LKWF	1985	23	1	395	355	790	2	2
870	16807	LKWF	1985	23	1	398	355	848	1	6
871	16960	BDWF	1985	38	1	394	361	855	1	7
872	16961	BDWF	1985	36	1	386	354	840	1	10
873	16962	LKWF	1985	37	1	364	335	735	2	3
874	16963	INCO	1985	37	1	451	408	895	1	7
875	16964	LKWF	1985	28	1	107	.	12	.	.
876	16965	BDWF	1985	28	1	178	.	81	.	.
877	16966	LSCS	1985	38	1	274	248	225	1	.
878	16967	BDWF	1985	28	1	142	.	36	.	.
879	16968	BDWF	1985	38	1	352	320	570	1	7
880	16969	INCO	1985	37	1	393	357	550	1	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
881	16970	LKWF	1985	26	1	189	.	55	.	.
882	16971	BDWF	1985	26	1	141	.	32	.	.
883	16972	BDWF	1985	26	1	118	.	18	.	.
884	16973	LSCS	1985	26	1	110	.	11	.	.
885	16974	LSCS	1985	26	1	108	.	8	.	.
886	16975	BDWF	1985	26	1	100	.	10	.	.
887	16976	LKWF	1985	26	1	120	.	18	.	.
888	16977	LSCS	1985	26	1	27	.	1	.	.
889	16978	LSCS	1985	26	1	84	.	4	.	.
890	16979	LSCS	1985	26	1	24	.	1	.	.
891	16980	BDWF	1985	26	1	106	.	14	.	.
892	16981	LSCS	1985	26	1	28	.	1	.	.
893	16982	LSCS	1985	26	1	91	.	6	.	.
894	16983	LSCS	1985	26	1	105	.	11	.	.
895	16984	LSCS	1985	26	1	116	.	11	.	.
896	16985	BDWF	1985	26	1	125	.	23	.	.
897	16986	LSCS	1985	26	1	109	.	10	.	.
898	16987	LSCS	1985	26	1	101	.	7	.	.
899	16988	LSCS	1985	26	1	103	.	6	.	.
900	16989	LSCS	1985	26	1	124	.	9	.	.
901	16990	LSCS	1985	26	1	26	.	1	.	.
902	16991	LSCS	1985	26	1	94	.	7	.	.
903	16992	LKWF	1985	26	1	33	.	1	.	.
904	16993	LSCS	1985	26	1	141	.	21	.	.
905	16994	LSCS	1985	26	1	152	.	31	.	.
906	16995	LSCS	1985	26	1	114	.	11	.	.
907	16996	LSCS	1985	26	1	24	.	1	.	.
908	16997	BDWF	1985	26	1	26	.	1	.	.
909	16998	BDWF	1985	26	1	49	.	1	.	.
910	16999	LSCS	1985	26	1	108	.	10	.	.
911	17000	LSCS	1985	26	1	117	.	12	.	.
912	17001	LSCS	1985	25	1	208	185	78	2	1
913	17002	LSCS	1985	25	1	.	164	51	2	1
914	17003	LSCS	1985	25	1	157	141	34	1	6
915	17004	LSCS	1985	25	1	161	148	37	0	0
916	17005	LSCS	1985	25	1	134	120	21	0	0
917	17006	LSCS	1985	25	1	.	117	22	1	1
918	17007	BDWF	1985	25	1	.	.	.	.	.
919	17008	BDWF	1985	25	1	.	.	.	.	.
920	17009	BDWF	1985	25	1	.	.	.	.	.
921	17010	BDWF	1985	25	1	.	.	.	.	.
922	17011	BDWF	1985	25	1	.	.	.	.	.
923	17012	BDWF	1985	25	1	.	.	.	.	.
924	17013	BDWF	1985	25	1	.	.	.	.	.
925	17014	BDWF	1985	25	1	.	.	.	.	.
926	17015	BDWF	1985	25	1	.	.	.	.	.
927	17016	BDWF	1985	25	1	.	.	.	.	.
928	17017	LKWF	1985	25	2	315	288	402	1	6
929	17018	LKWF	1985	25	2	423	401	1027	2	1
930	17019	LKWF	1985	25	2	297	269	345	2	1
931	17020	LKWF	1985	25	2	338	308	510	2	1
932	17021	LKWF	1985	25	2	289	261	288	2	1
933	17022	LKWF	1985	25	2	328	299	425	1	6
934	17023	LKWF	1985	25	2	312	283	391	1	6
935	17024	LKWF	1985	25	2	305	280	336	1	6
936	17025	LKWF	1985	25	2	321	292	377	1	6
937	17026	LKWF	1985	25	2	354	314	481	2	1
938	17027	LKWF	1985	25	2	369	325	634	2	1
939	17028	LKWF	1985	25	2	333	304	437	1	6
940	17029	LKWF	1985	25	2	308	280	368	1	6
941	17030	LKWF	1985	25	2	324	291	426	1	6
942	17031	LKWF	1985	25	2	309	283	344	1	6
943	17032	LKWF	1985	25	2	303	288	360	1	6
944	17033	LKWF	1985	25	2	352	315	489	1	6
945	17034	LKWF	1985	25	2	332	303	396	1	6
946	17035	LKWF	1985	25	2	298	276	323	1	6
947	17036	LKWF	1985	25	2	286	263	275	1	6
948	17037	LKWF	1985	25	2	330	303	434	1	6
949	17038	LKWF	1985	25	2	314	286	369	1	6
950	17039	LKWF	1985	25	2	317	288	421	2	1
951	17040	LKWF	1985	25	2	285	261	275	1	6
952	17041	LSCS	1985	25	2	.	120	22	0	0
953	17042	LSCS	1985	25	2	150	134	24	0	0
954	17043	BDWF	1985	25	2	488	449	1674	2	3
955	17044	BDWF	1985	25	2	.	.	.	.	.
956	17045	BDWF	1985	25	2	378	342	689	1	6
957	17046	BDWF	1985	25	2	.	.	.	.	.
958	17047	BDWF	1985	25	2	.	.	.	.	.
959	17048	BDWF	1985	25	2	401	373	963	1	6
960	17049	BDWF	1985	27	4	.	408	1383	2	2
961	17050	BDWF	1985	27	4	411	375	1040	1	6
962	17051	BDWF	1985	27	4	418	381	993	2	1
963	17052	BDWF	1985	27	4	454	416	1181	2	1
964	17053	BDWF	1985	27	4	.	392	1164	1	6
965	17054	BDWF	1985	27	4	.	442	1484	2	2
966	17055	BDWF	1985	27	4	373	343	898	1	6
967	17056	BDWF	1985	27	4	482	442	1588	2	3
968	17057	BDWF	1985	27	4	465	430	1553	1	8
969	17058	BDWF	1985	27	4	487	447	1758	2	3
970	17059	BDWF	1985	27	4	.	444	1356	1	6
971	17060	BDWF	1985	27	4	382	345	847	1	6
972	17061	BDWF	1985	27	4	.	325	677	1	6
973	17062	BDWF	1985	27	4	.	328	684	1	6
974	17063	BDWF	1985	27	4	385	333	763	1	6
975	17064	BDWF	1985	27	4	356	326	699	1	6
976	17065	BDWF	1985	27	4	443	402	1370	1	6
977	17066	BDWF	1985	27	4	455	417	1456	2	3
978	17067	BDWF	1985	27	4	439	401	1256	1	6
979	17068	BDWF	1985	27	4	377	348	741	1	6
980	17069	BDWF	1985	27	4	394	362	869	1	6
981	17070	BDWF	1985	27	4	494	448	1367	2	2
982	17071	BDWF	1985	27	4	.	344	804	1	6
983	17072	BDWF	1985	27	4	438	397	1232	1	6
984	17073	NRPK	1985	27	4	.	.	.	.	.
985	17074	NRPK	1985	27	4	.	.	.	.	.
986	17075	NRPK	1985	27	4	.	.	.	.	.
987	17076	NRPK	1985	27	4	.	.	.	.	.
988	17077	NRPK	1985	27	4	.	.	.	.	.
989	17078	BDWF	1985	25	2	.	.	.	.	.
990	17079	BDWF	1985	25	2	.	.	.	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
991	17080	BDWF	1985	25	2	.	.	.	.	.
992	17081	BDWF	1985	25	2	432	396	1255	2	3
993	17082	LKWF	1985	25	2	354	327	602	1	6
994	17083	LKWF	1985	25	2	408	376	896	2	2
995	17084	ARCS	1985	25	2	350	322	474	1	7
996	17085	BDWF	1985	25	1	.	.	.	.	.
997	17086	BDWF	1985	25	1	.	.	.	.	.
998	17087	BDWF	1985	25	1	.	.	.	.	.
999	17088	BDWF	1985	25	1	.	.	.	.	.
1000	17089	BDWF	1985	25	1	.	.	.	.	.
1001	17090	BDWF	1985	25	1	.	.	.	.	.
1002	17091	BDWF	1985	25	1	.	.	.	.	.
1003	17092	BDWF	1985	25	1	.	.	.	.	.
1004	17093	BDWF	1985	25	1	.	.	.	.	.
1005	17094	BDWF	1985	25	1	.	.	.	.	.
1006	17095	BDWF	1985	25	1	.	.	.	.	.
1007	17096	BDWF	1985	25	1	.	.	.	.	.
1008	17097	BDWF	1985	25	1	.	.	.	.	.
1009	17098	BDWF	1985	25	1	.	.	.	.	.
1010	17099	BDWF	1985	25	1	.	.	.	.	.
1011	17100	BDWF	1985	25	1	.	.	.	.	.
1012	17101	BDWF	1985	25	1	.	.	.	.	.
1013	17102	BDWF	1985	25	1	.	.	.	.	.
1014	17103	BDWF	1985	25	1	.	.	.	.	.
1015	17104	BDWF	1985	25	1	.	.	.	.	.
1016	17105	BDWF	1985	25	1	.	.	.	.	.
1017	17106	BDWF	1985	25	1	.	.	.	.	.
1018	17107	BDWF	1985	25	1	.	.	.	.	.
1019	17108	BDWF	1985	25	1	.	.	.	.	.
1020	17109	BDWF	1985	25	1	.	.	.	.	.
1021	17110	BDWF	1985	25	1	.	.	.	.	.
1022	17111	BDWF	1985	25	1	.	.	.	.	.
1023	17112	BDWF	1985	25	1	.	.	.	.	.
1024	17113	BDWF	1985	25	1	.	.	.	.	.
1025	17114	BDWF	1985	25	1	.	.	.	.	.
1026	17115	BDWF	1985	25	1	.	.	.	.	.
1027	17116	BDWF	1985	25	1	.	.	.	.	.
1028	17117	BDWF	1985	25	1	.	.	.	.	.
1029	17118	BDWF	1985	25	1	.	.	.	.	.
1030	17119	BDWF	1985	25	1	.	.	.	.	.
1031	17120	BDWF	1985	25	1	.	.	.	.	.
1032	17121	BDWF	1985	25	1	.	.	.	.	.
1033	17122	BDWF	1985	25	1	.	.	.	.	.
1034	17123	BDWF	1985	25	1	.	.	.	.	.
1035	17124	BDWF	1985	25	1	.	.	.	.	.
1036	17125	BDWF	1985	25	1	.	.	.	.	.
1037	17126	BDWF	1985	25	1	.	.	.	.	.
1038	17127	BDWF	1985	25	1	.	.	.	.	.
1039	17128	BDWF	1985	25	1	.	.	.	.	.
1040	17129	BDWF	1985	25	1	.	.	.	.	.
1041	17130	BDWF	1985	25	1	.	.	.	.	.
1042	17131	BDWF	1985	25	1	.	.	.	.	.
1043	17132	BDWF	1985	25	1	.	.	.	.	.
1044	17133	BDWF	1985	25	1	.	.	.	.	.
1045	17134	BDWF	1985	25	1	.	.	.	.	.
1046	17135	BDWF	1985	25	1	.	.	.	.	.
1047	17136	BDWF	1985	25	1	.	.	.	.	.
1048	17137	BDWF	1985	25	1	.	.	.	.	.
1049	17138	BDWF	1985	25	1	357	329	539	1	6
1050	17139	BDWF	1985	25	1	323	289	377	1	6
1051	17140	BDWF	1985	25	1	338	308	478	1	6
1052	17141	BDWF	1985	25	1	378	350	674	1	6
1053	17142	BDWF	1985	25	1	451	415	1128	2	2
1054	17143	BDWF	1985	25	1	340	312	496	1	6
1055	17144	BDWF	1985	25	1	308	281	381	.	.
1056	17145	BDWF	1985	25	1	317	292	393	1	6
1057	17146	BDWF	1985	25	1	315	280	334	1	6
1058	17147	BDWF	1985	25	1	342	316	487	1	6
1059	17148	BDWF	1985	25	1	314	287	395	1	6
1060	17149	BDWF	1985	25	1	323	294	391	1	6
1061	17150	BDWF	1985	25	1	327	297	418	1	6
1062	17151	BDWF	1985	25	1	298	273	333	1	6
1063	17152	LKWF	1985	25	1	339	312	512	1	6
1064	17153	LSCS	1985	25	1	358	325	422	2	3
1065	17154	LSCS	1985	25	1	292	266	261	2	3
1066	17155	LSCS	1985	25	1	.	280	293	2	3
1067	17156	LSCS	1985	25	1	317	289	319	2	3
1068	17157	LSCS	1985	25	1	301	272	302	2	3
1069	17158	LSCS	1985	25	1	268	247	216	2	2
1070	17159	LSCS	1985	25	1	312	288	321	2	3
1071	17160	LSCS	1985	25	1	315	287	361	2	3
1072	17161	LSCS	1985	25	1	294	262	265	2	3
1073	17162	LSCS	1985	25	1	322	284	281	2	2
1074	17163	LSCS	1985	25	1	293	267	269	1	6
1075	17164	LSCS	1985	25	1	283	256	221	2	3
1076	17165	LSCS	1985	25	1	181	165	60	2	1
1077	17166	LSCS	1985	25	1	176	162	55	1	6
1078	17167	LSCS	1985	25	1	168	153	41	0	0
1079	17168	LSCS	1985	25	1	164	148	42	1	6
1080	17169	LSCS	1985	25	1	.	183	77	2	1
1081	17170	LSCS	1985	25	1	143	122	27	0	0
1082	17171	LSCS	1985	25	1	161	143	39	2	1
1083	17172	LSCS	1985	25	1	152	135	35	2	1
1084	17173	LSCS	1985	25	1	166	140	43	1	6
1085	17174	LSCS	1985	25	1	139	122	25	1	6
1086	17175	LSCS	1985	25	1	145	131	29	2	1
1087	17176	LSCS	1985	25	1	172	156	42	1	6
1088	17177	LSCS	1985	25	1	159	139	31	2	1
1089	17178	LSCS	1985	25	1	146	133	32	1	6
1090	17179	LSCS	1985	25	1	198	183	82	2	6
1091	17180	LSCS	1985	25	1	171	154	45	1	6
1092	17181	LSCS	1985	25	1	164	147	41	2	1
1093	17182	LSCS	1985	25	1	175	153	54	2	1
1094	17183	LSCS	1985	25	1	156	140	34	0	0
1095	17184	LSCS	1985	25	1	175	159	57	1	6
1096	17185	LSCS	1985	25	1	130	118	19	0	0
1097	17186	LSCS	1985	25	1	158	146	37	0	0
1098	17187	LSCS	1985	25	1	138	122	26	0	0
1099	17188	LSCS	1985	25	1	135	125	25	1	6
1100	17189	LSCS	1985	25	1	127	116	19	2	1

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1101	17190	LSCS	1985	25	1	138	122	23	1	6
1102	17191	LSCS	1985	25	1	133	117	21	0	0
1103	17192	LSCS	1985	25	1	121	110	17	2	1
1104	17193	LSCS	1985	25	1	158	144	37	2	1
1105	17194	LSCS	1985	25	1	150	131	32	2	1
1106	17195	LSCS	1985	25	1	134	123	21	0	0
1107	17196	LSCS	1985	25	1	136	126	24	0	0
1108	17197	LSCS	1985	25	1	.	.	.	.	.
1109	17198	LSCS	1985	25	1	.	.	.	.	.
1110	17199	BDWF	1985	25	4	.	.	.	.	.
1111	17200	LSCS	1985	27	1	321	294	333	1	8
1112	17201	LSCS	1985	27	1	320	292	363	1	8
1113	17202	LSCS	1985	27	1	192	172	66	0	0
1114	17203	BDWF	1985	27	1	265	237	228	1	6
1115	17204	BDWF	1985	27	1	229	205	141	1	6
1116	17206	BDWF	1985	27	1	354	322	516	1	6
1117	17207	BDWF	1985	27	1	347	314	524	1	6
1118	17208	BDWF	1985	27	1	213	188	112	1	6
1119	17209	BDWF	1985	27	1	.	.	.	.	.
1120	17210	BDWF	1985	27	1	.	.	.	.	.
1121	17211	BDWF	1985	27	1	.	.	.	.	.
1122	17212	BDWF	1985	27	1	.	.	.	.	.
1123	17213	BDWF	1985	27	1	.	.	.	.	.
1124	17214	BDWF	1985	27	1	.	.	.	.	.
1125	17215	LSCS	1985	27	2	315	290	330	1	7
1126	17216	LSCS	1985	27	2	208	191	98	1	6
1127	17217	LSCS	1985	27	2	222	203	108	1	6
1128	17218	LSCS	1985	27	2	217	197	95	1	6
1129	17219	LSCS	1985	27	2	194	178	77	1	6
1130	17220	LSCS	1985	27	2	.	177	83	1	6
1131	17221	LSCS	1985	27	2	221	203	107	1	1
1132	17222	LSCS	1985	27	2	198	184	87	0	0
1133	17223	LSCS	1985	27	2	203	189	74	1	6
1134	17224	LSCS	1985	27	2	196	181	83	1	6
1135	17225	LSCS	1985	27	2	211	194	103	1	6
1136	17226	LSCS	1985	27	2	201	183	87	2	1
1137	17227	LSCS	1985	27	2	192	179	79	1	6
1138	17228	LSCS	1985	27	2	188	175	64	0	0
1139	17229	BDWF	1985	27	2	403	368	885	1	7
1140	17230	BDWF	1985	27	2	424	384	977	2	2
1141	17231	BDWF	1985	27	2	358	323	613	1	6
1142	17232	BDWF	1985	27	2	336	305	506	1	6
1143	17233	BDWF	1985	27	2	373	343	748	2	2
1144	17234	BDWF	1985	27	2	343	313	553	1	6
1145	17235	BDWF	1985	27	2	347	313	587	1	6
1146	17236	BDWF	1985	27	2	323	290	460	1	6
1147	17237	BDWF	1985	27	2	408	371	920	1	7
1148	17238	BDWF	1985	27	2	.	406	1354	1	8
1149	17239	BDWF	1985	27	2	364	327	614	1	7
1150	17240	BDWF	1985	27	2	378	342	690	1	6
1151	17241	BDWF	1985	27	2	454	414	1386	1	8
1152	17242	BDWF	1985	27	2	340	312	574	1	6
1153	17243	BDWF	1985	27	2	409	375	930	2	1
1154	17244	BDWF	1985	27	2	380	351	838	1	6
1155	17245	BDWF	1985	27	2	398	359	880	1	6
1156	17246	BDWF	1985	27	2	373	335	627	1	6
1157	17247	BDWF	1985	27	2	425	389	1022	1	6
1158	17248	BDWF	1985	27	2	434	398	1171	2	2
1159	17249	BDWF	1985	27	2	432	391	1185	2	1
1160	17250	BDWF	1985	27	2	469	433	1507	2	3
1161	17251	BDWF	1985	27	2	472	432	1402	1	7
1162	17252	BDWF	1985	27	2	367	332	631	1	6
1163	17253	BDWF	1985	27	2	347	319	485	1	6
1164	17254	BDWF	1985	27	2	398	362	823	1	6
1165	17255	BDWF	1985	27	2	395	360	723	1	6
1166	17256	BDWF	1985	27	2	370	337	713	1	6
1167	17257	BDWF	1985	27	2	460	429	1730	1	8
1168	17258	BDWF	1985	27	2	419	381	906	1	7
1169	17259	BDWF	1985	27	2	373	340	849	1	6
1170	17260	BDWF	1985	27	2	412	375	863	1	7
1171	17261	BDWF	1985	27	2	360	327	653	1	7
1172	17262	BDWF	1985	27	2	425	385	954	1	6
1173	17263	BDWF	1985	27	2	364	329	588	1	6
1174	17264	BDWF	1985	27	2	358	326	583	1	6
1175	17265	BDWF	1985	27	2	379	342	755	1	6
1176	17266	BDWF	1985	27	2	485	430	1433	2	3
1177	17267	BDWF	1985	27	2	354	325	543	1	6
1178	17268	BDWF	1985	27	2	435	401	1140	1	6
1179	17269	BDWF	1985	27	2	358	326	617	1	6
1180	17270	BDWF	1985	27	2	387	355	803	2	1
1181	17271	BDWF	1985	27	2	332	307	510	1	6
1182	17272	BDWF	1985	27	2	488	445	1312	2	2
1183	17273	BDWF	1985	27	2	366	331	633	1	6
1184	17274	BDWF	1985	27	2	468	427	1655	2	3
1185	17275	BDWF	1985	27	2	375	337	690	1	6
1186	17276	BDWF	1985	27	2	497	452	1913	2	3
1187	17277	BDWF	1985	27	2	482	443	1445	2	3
1188	17278	BDWF	1985	27	1	.	.	.	.	.
1189	17279	BDWF	1985	27	1	.	.	.	.	.
1190	17280	BDWF	1985	27	1	.	.	.	.	.
1191	17281	BDWF	1985	27	1	.	.	.	.	.
1192	17282	BDWF	1985	27	1	.	.	.	.	.
1193	17283	BDWF	1985	27	1	.	.	.	.	.
1194	17284	BDWF	1985	27	1	.	.	.	.	.
1195	17285	BDWF	1985	27	1	.	.	.	.	.
1196	17286	BDWF	1985	27	1	.	.	.	.	.
1197	17287	BDWF	1985	27	1	.	.	.	.	.
1198	17288	BDWF	1985	27	1	.	.	.	.	.
1199	17289	BDWF	1985	27	1	.	.	.	.	.
1200	17290	BDWF	1985	27	1	.	.	.	.	.
1201	17291	BDWF	1985	27	1	.	.	.	.	.
1202	17292	BDWF	1985	27	1	.	.	.	.	.
1203	17293	BDWF	1985	27	1	.	.	.	.	.
1204	17294	BDWF	1985	27	1	.	.	.	.	.
1205	17295	BDWF	1985	27	1	.	.	.	.	.
1206	17296	BDWF	1985	27	1	.	.	.	.	.
1207	17297	BDWF	1985	27	1	.	.	.	.	.
1208	17298	BDWF	1985	27	1	.	.	.	.	.
1209	17299	BDWF	1985	27	1	.	.	.	.	.
1210	17300	BDWF	1985	27	1	.	.	.	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1211	17301	BDWF	1985	27	1	.	.	.	.	.
1212	17302	BDWF	1985	27	1	.	.	.	.	.
1213	17303	BDWF	1985	27	1	.	.	.	.	.
1214	17304	BDWF	1985	27	1	.	.	.	.	.
1215	17305	BDWF	1985	27	1	.	.	.	.	.
1216	17306	BDWF	1985	27	1	.	.	.	.	.
1217	17307	BDWF	1985	27	1	.	.	.	.	.
1218	17308	BDWF	1985	27	1	.	.	.	.	.
1219	17309	BDWF	1985	27	1	.	.	.	.	.
1220	17310	BDWF	1985	27	1	.	.	.	.	.
1221	17311	BDWF	1985	27	1	.	.	.	.	.
1222	17312	BDWF	1985	27	1	.	.	.	.	.
1223	17313	BDWF	1985	27	1	.	.	.	.	.
1224	17314	BDWF	1985	27	1	.	.	.	.	.
1225	17315	BDWF	1985	27	1	.	.	.	.	.
1226	17316	BDWF	1985	27	1	.	.	.	.	.
1227	17317	BDWF	1985	27	1	.	.	.	.	.
1228	17318	BDWF	1985	27	1	.	.	.	.	.
1229	17319	BDWF	1985	27	1	.	.	.	.	.
1230	17320	BDWF	1985	27	1	.	.	.	.	.
1231	17321	BDWF	1985	27	1	.	.	.	.	.
1232	17322	BDWF	1985	27	1	.	.	.	.	.
1233	17323	BDWF	1985	27	1	.	.	.	.	.
1234	17324	BDWF	1985	27	1	.	.	.	.	.
1235	17325	BDWF	1985	27	1	.	.	.	.	.
1236	17326	BDWF	1985	27	1	.	.	.	.	.
1237	17327	BDWF	1985	27	1	.	.	.	.	.
1238	17328	BDWF	1985	27	1	.	.	.	.	.
1239	17329	BDWF	1985	27	1	.	.	.	.	.
1240	17330	BDWF	1985	27	1	.	.	.	.	.
1241	17331	BDWF	1985	27	1	.	.	.	.	.
1242	17332	BDWF	1985	27	1	277	246	246	1	6
1243	17333	BDWF	1985	27	1	208	187	95	1	6
1244	17334	BDWF	1985	27	1	255	232	193	1	6
1245	17335	BDWF	1985	27	1	.	248	239	1	6
1246	17336	BDWF	1985	27	1	284	260	258	1	6
1247	17337	BDWF	1985	27	1	258	234	195	1	6
1248	17338	BDWF	1985	27	1	293	269	275	1	6
1249	17339	BDWF	1985	27	1	241	220	168	1	6
1250	17340	BDWF	1985	27	1	259	235	217	1	6
1251	17341	BDWF	1985	27	1	301	275	335	1	6
1252	17342	BDWF	1985	27	1	293	268	289	1	6
1253	17343	BDWF	1985	27	1	288	262	289	1	6
1254	17344	BDWF	1985	27	1	255	203	129	1	6
1255	17345	BDWF	1985	27	1	273	247	257	1	6
1256	17346	BDWF	1985	27	1	304	277	379	1	6
1257	17347	BDWF	1985	27	1	285	258	313	1	6
1258	17348	BDWF	1985	27	1	.	314	513	1	6
1259	17349	BDWF	1985	27	1	380	340	628	1	6
1260	17350	BDWF	1985	27	1	320	290	425	1	6
1261	17351	LSCS	1985	27	1	200	181	71	2	1
1262	17352	LSCS	1985	27	1	215	195	98	2	1
1263	17353	LSCS	1985	27	1	345	319	373	2	3
1264	17354	ARGR	1985	27	1	.	.	.	.	.
1265	17355	ARGR	1985	27	1	.	.	.	.	.
1266	17356	ARGR	1985	27	1	.	.	.	.	.
1267	17357	ARGR	1985	27	1	.	.	.	.	.
1268	17358	ARGR	1985	27	1	.	.	.	.	.
1269	17359	ARCS	1985	24	2	.	.	.	.	.
1270	17360	ARCS	1985	24	2	.	.	.	.	.
1271	17361	ARCS	1985	24	2	.	.	.	.	.
1272	17362	ARCS	1985	24	2	.	.	.	.	.
1273	17363	ARCS	1985	24	2	.	.	.	.	.
1274	17364	ARCS	1985	24	2	.	.	.	.	.
1275	17365	LKWF	1985	24	2	384	348	990	2	1
1276	17366	BDWF	1985	24	2	.	.	.	.	.
1277	17367	BDWF	1985	24	2	.	.	.	.	.
1278	17368	BDWF	1985	24	2	.	.	.	.	.
1279	17369	BDWF	1985	24	2	.	.	.	.	.
1280	17370	BDWF	1985	24	2	.	.	.	.	.
1281	17371	BDWF	1985	24	2	.	.	.	.	.
1282	17372	BDWF	1985	24	2	.	.	.	.	.
1283	17373	BDWF	1985	24	2	508	469	2154	1	8
1284	17374	BDWF	1985	24	2	494	455	1845	1	8
1285	17375	BDWF	1985	24	2	491	452	1926	1	8
1286	17376	BDWF	1985	24	2	480	439	1962	2	3
1287	17377	BDWF	1985	24	2	463	417	1662	2	3
1288	17378	LSCS	1985	24	1	286	261	219	2	1
1289	17379	LSCS	1985	24	1	289	273	250	2	3
1290	17380	LSCS	1985	24	1	328	301	289	2	2
1291	17381	LSCS	1985	24	1	300	273	285	2	3
1292	17382	LSCS	1985	24	1	312	283	308	1	8
1293	17383	LSCS	1985	24	1	329	305	390	2	3
1294	17384	LSCS	1985	24	1	300	277	276	2	2
1295	17385	LSCS	1985	24	1	294	274	253	2	3
1296	17386	LSCS	1985	24	1	278	249	209	1	8
1297	17387	LSCS	1985	24	1	287	260	201	2	2
1298	17388	LSCS	1985	24	1	298	276	286	2	3
1299	17389	LSCS	1985	24	1	308	286	318	1	8
1300	17390	LSCS	1985	24	1	275	250	192	1	8
1301	17391	ARCS	1985	24	1	.	.	.	.	.
1302	17392	ARCS	1985	24	1	.	.	.	.	.
1303	17393	BDWF	1985	24	1	.	.	.	.	.
1304	17394	BDWF	1985	24	1	509	470	2264	1	8
1305	17395	BDWF	1985	24	2	470	438	1729	2	3
1306	17396	BDWF	1985	24	2	462	422	1577	2	3
1307	17397	BDWF	1985	24	2	492	452	1936	2	3
1308	17398	BDWF	1985	24	2	487	447	1737	1	8
1309	17399	BDWF	1985	24	2	485	444	1935	2	3
1310	17400	BDWF	1985	24	2	.	.	.	.	.
1311	17401	BDWF	1985	24	2	.	.	.	.	.
1312	17402	ARCS	1985	24	2	.	.	.	.	.
1313	17403	ARCS	1985	24	2	.	.	.	.	.
1314	17404	ARCS	1985	24	2	.	.	.	.	.
1315	17405	ARCS	1985	24	2	.	.	.	.	.
1316	17406	ARCS	1985	24	2	.	.	.	.	.
1317	17407	BDWF	1985	24	2	.	.	.	.	.
1318	17408	LKWF	1985	32	1	173	158	70	0	0
1319	17409	LKWF	1985	32	1	166	154	54	0	0
1320	17410	LKWF	1985	32	1	168	155	59	0	0

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1321	17411	LKWF	1985	32	1	221	200	70	1	6
1322	17412	LKWF	1985	32	1	190	169	84	0	0
1323	17413	LKWF	1985	32	1	170	149	54	0	0
1324	17414	LKWF	1985	32	1	141	133	41	0	0
1325	17415	LKWF	1985	32	1	168	152	64	0	0
1326	17416	LKWF	1985	32	1	.	247	278	.	.
1327	17417	LKWF	1985	32	1	.	304	497	1	6
1328	17418	LKWF	1985	32	1	294	266	357	2	1
1329	17419	LKWF	1985	32	1	323	293	474	1	6
1330	17420	LKWF	1985	32	1	274	243	283	2	1
1331	17421	LKWF	1985	32	1	364	333	701	1	6
1332	17422	LKWF	1985	32	1	402	365	1086	1	8
1333	17423	LKWF	1985	32	1	382	347	844	1	6
1334	17424	LKWF	1985	32	1	437	399	1322	1	8
1335	17425	LKWF	1985	32	1	336	306	529	1	6
1336	17426	LKWF	1985	32	1	359	329	568	2	1
1337	17427	LKWF	1985	32	1	388	350	923	1	8
1338	17428	LKWF	1985	32	1	313	280	426	1	6
1339	17429	LKWF	1985	32	1	430	394	1369	1	8
1340	17430	LKWF	1985	32	1	272	250	284	0	0
1341	17431	LKWF	1985	32	1	348	315	601	2	1
1342	17432	LKWF	1985	32	1	258	232	226	1	6
1343	17433	LKWF	1985	32	1	408	372	1088	1	6
1344	17434	LKWF	1985	32	1	358	323	734	1	6
1345	17435	LKWF	1985	32	1	380	349	879	1	6
1346	17436	LKWF	1985	32	1	420	385	1178	1	8
1347	17437	LKWF	1985	32	1	418	391	1473	1	7
1348	17438	LKWF	1985	32	1	377	345	957	2	2
1349	17439	LKWF	1985	32	1	468	422	1891	1	8
1350	17440	LKWF	1985	32	1	376	346	743	1	6
1351	17441	LKWF	1985	32	1	258	232	251	0	0
1352	17442	LKWF	1985	32	1	315	286	387	1	6
1353	17443	LKWF	1985	32	1	345	319	626	2	1
1354	17444	LSCS	1985	32	1	215	190	126	2	3
1355	17445	LSCS	1985	32	1	255	230	218	2	3
1356	17446	LSCS	1985	32	1	206	189	91	2	3
1357	17447	LSCS	1985	32	1	160	141	41	0	0
1358	17448	LSCS	1985	32	1	265	240	265	2	3
1359	17449	LSCS	1985	32	1	190	160	65	1	8
1360	17450	LSCS	1985	32	1	199	172	79	1	8
1361	17451	LSCS	1985	32	1	210	183	108	1	8
1362	17452	LSCS	1985	32	1	273	244	286	1	8
1363	17453	LSCS	1985	32	1	250	226	196	2	3
1364	17454	LSCS	1985	32	1	230	206	143	1	8
1365	17455	LSCS	1985	32	1	268	244	229	2	3
1366	17456	LSCS	1985	32	1	213	193	109	1	8
1367	17457	LSCS	1985	32	1	246	222	186	1	8
1368	17458	LSCS	1985	32	1	175	156	53	1	8
1369	17459	LSCS	1985	32	1	173	157	51	2	1
1370	17460	LSCS	1985	32	1	321	290	483	.	.
1371	17461	LSCS	1985	32	1	208	190	107	1	7
1372	17462	LSCS	1985	32	1	192	172	88	2	3
1373	17463	LSCS	1985	32	1	215	196	131	2	3
1374	17464	LSCS	1985	32	1	217	194	136	2	3
1375	17465	LSCS	1985	32	1	209	188	106	1	6
1376	17466	LSCS	1985	32	1	192	171	83	1	7
1377	17467	LSCS	1985	32	1	210	190	120	2	7
1378	17468	LSCS	1985	32	1	238	212	171	2	3
1379	17469	LSCS	1985	32	1	174	158	55	1	6
1380	17470	LSCS	1985	32	1	200	181	83	1	8
1381	17471	LSCS	1985	32	1	268	238	267	1	8
1382	17472	NRPK	1985	32	1	.	.	.	.	.
1383	17473	NRPK	1985	32	1	.	.	.	.	.
1384	17474	NRPK	1985	32	1	.	.	.	.	.
1385	17475	NRPK	1985	32	1	.	.	.	.	.
1386	17476	NRPK	1985	32	1	.	.	.	.	.
1387	17477	NRPK	1985	32	1	.	.	.	.	.
1388	17478	INCO	1985	32	1	598	550	2056	1	6
1389	17479	INCO	1985	32	1	496	453	1114	1	6
1390	17480	INCO	1985	32	1	331	298	305	1	6
1391	17481	INCO	1985	32	1	467	425	9095	1	6
1392	17482	ARCS	1985	32	1	.	.	.	.	.
1393	17483	ARCS	1985	32	1	.	.	.	.	.
1394	17484	LNSK	1985	32	1	.	.	.	.	.
1395	17485	LNSK	1985	32	1	.	.	.	.	.
1396	17486	BDWF	1985	32	1	480	443	1898	1	8
1397	17487	BDWF	1985	32	1	.	.	.	.	.
1398	17488	BDWF	1985	30	1	518	477	2780	2	3
1399	17489	BDWF	1985	30	1	353	318	596	1	6
1400	17490	BDWF	1985	30	1	459	420	1631	1	8
1401	17491	BDWF	1985	30	1	497	446	1944	1	8
1402	17492	BDWF	1985	30	1	355	325	569	1	6
1403	17493	BDWF	1985	30	1	390	358	928	1	8
1404	17495	BDWF	1985	30	1	412	375	1078	1	8
1405	17496	BDWF	1985	30	1	445	405	1636	1	7
1406	17497	BDWF	1985	30	1	447	401	1360	2	2
1407	17498	BDWF	1985	30	1	461	424	1808	2	3
1408	17499	BDWF	1985	30	1	417	382	1108	1	6
1409	17500	BDWF	1985	30	1	496	455	1907	1	8
1410	17501	BDWF	1985	30	1	474	435	2174	1	8
1411	17502	BDWF	1985	30	1	457	412	1789	1	8
1412	17503	BDWF	1985	30	1	412	378	1202	1	7
1413	17504	BDWF	1985	30	1	458	414	1508	2	2
1414	17505	BDWF	1985	30	1	402	363	1045	1	7
1415	17506	BDWF	1985	30	1	430	395	1172	1	6
1416	17507	BDWF	1985	30	1	498	450	1569	2	2
1417	17508	BDWF	1985	30	1	509	466	2361	1	8
1418	17509	LSCS	1985	30	1	250	223	173	2	2
1419	17510	LSCS	1985	30	1	214	194	92	2	1
1420	17511	LSCS	1985	30	1	210	193	109	2	1
1421	17512	LSCS	1985	30	1	279	252	264	2	2
1422	17513	LSCS	1985	30	1	225	208	148	2	1
1423	17514	LSCS	1985	30	1	.	151	48	2	1
1424	17515	LKWF	1985	30	1	427	388	1212	2	1
1425	17516	LKWF	1985	30	1	493	445	2045	2	1
1426	17517	LKWF	1985	30	1	398	360	1045	2	1
1427	17518	LKWF	1985	30	1	405	365	1199	1	6
1428	17519	LKWF	1985	30	1	427	388	1338	1	8
1429	17520	LKWF	1985	30	1	411	382	1249	1	7
1430	17521	LKWF	1985	30	1	380	349	988	1	6

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1431	17522	LKWF	1985	30	1	473	432	1698	1	8
1432	17523	LKWF	1985	30	1	161	140	64	0	0
1433	17524	LKWF	1985	30	1	368	329	970	2	1
1434	17525	LKWF	1985	30	1	461	425	1770	2	3
1435	17526	LKWF	1985	30	1	406	373	1328	2	3
1436	17527	LKWF	1985	30	1	391	356	939	2	1
1437	17528	LKWF	1985	30	1	417	377	1221	1	8
1438	17529	BDWF	1985	30	1	399	364	986	1	6
1439	17530	LKWF	1985	30	1	451	410	1631	1	8
1440	17531	NRPK	1985	30	1	.	.	.	.	.
1441	17532	NRPK	1985	30	1	.	.	.	.	.
1442	17533	NRPK	1985	30	1	.	.	.	.	.
1443	17534	NRPK	1985	30	1	.	.	.	.	.
1444	17535	LKWF	1985	31	1	143	132	46	1	6
1445	17536	LKWF	1985	31	1	390	352	518	1	8
1446	17537	LKWF	1985	31	1	435	393	1448	1	8
1447	17538	LKWF	1985	31	1	378	349	912	1	6
1448	17539	LKWF	1985	31	1	404	363	1050	2	3
1449	17540	LKWF	1985	31	1	302	271	383	1	6
1450	17541	LKWF	1985	31	1	385	349	902	1	6
1451	17542	LKWF	1985	31	1	421	382	1274	2	3
1452	17543	LKWF	1985	31	1	411	377	1338	2	3
1453	17544	LKWF	1985	31	1	455	421	1530	2	2
1454	17545	LKWF	1985	31	1	435	392	1643	2	3
1455	17546	LKWF	1985	31	1	433	387	1544	2	3
1456	17547	LKWF	1985	31	1	349	314	731	1	6
1457	17548	LKWF	1985	31	1	425	381	1395	1	8
1458	17549	LKWF	1985	31	1	355	320	660	1	6
1459	17550	BDWF	1985	31	1	498	462	2407	1	8
1460	17551	BDWF	1985	31	1	508	462	2559	1	8
1461	17552	LSCS	1985	31	1	180	160	62	1	6
1462	17553	LSCS	1985	31	1	222	197	167	1	8
1463	17554	LSCS	1985	31	1	205	183	96	1	6
1464	17555	LSCS	1985	31	1	161	140	47	0	0
1465	17556	LSCS	1985	31	1	188	167	78	0	0
1466	17557	LSCS	1985	31	1	206	184	86	2	1
1467	17558	LSCS	1985	31	1	228	208	131	2	2
1468	17559	LSCS	1985	31	1	220	195	129	1	8
1469	17560	LSCS	1985	31	1	157	138	47	1	6
1470	17561	LSCS	1985	31	1	195	175	82	1	6
1471	17562	INCO	1985	31	1	507	464	1326	1	7
1472	17563	INCO	1985	31	1	542	492	1428	1	6
1473	17564	INCO	1985	31	1	417	381	761	1	6
1474	17565	BDWF	1985	29	1	.	.	.	.	.
1475	17566	BDWF	1985	29	1	.	.	.	.	.
1476	17567	LKWF	1985	29	1	195	175	97	0	0
1477	17569	LNSK	1985	28	1	.	.	.	.	.
1478	17568	LKWF	1985	29	1	413	380	1172	2	3
1479	17570	BDWF	1985	30	1	414	377	1159	1	6
1480	17571	BDWF	1985	30	1	.	.	.	.	.
1481	17572	BDWF	1985	30	1	482	438	2399	2	3
1482	17573	BDWF	1985	30	1	464	424	2006	2	3
1483	17574	BDWF	1985	30	1	423	391	1398	1	8
1484	17575	BDWF	1985	30	1	472	426	1660	2	2
1485	17576	BDWF	1985	30	1	485	426	1921	2	3
1486	17577	BDWF	1985	30	1	422	385	1174	1	7
1487	17578	LSCS	1985	30	1	182	160	71	1	6
1488	17579	LSCS	1985	30	1	204	188	112	1	6
1489	17580	LSCS	1985	30	1	264	236	184	1	8
1490	17581	LSCS	1985	30	1	181	164	71	1	6
1491	17582	LSCS	1985	30	1	256	230	201	2	2
1492	17583	LSCS	1985	30	1	166	148	52	2	1
1493	17584	LSCS	1985	30	1	211	192	126	2	1
1494	17585	LSCS	1985	30	1	190	176	88	2	1
1495	17586	BDWF	1985	30	1	.	.	.	.	.
1496	17587	BDWF	1985	30	1	.	.	.	.	.
1497	17588	BDWF	1985	30	1	.	.	.	.	.
1498	17589	BDWF	1985	30	1	.	.	.	.	.
1499	17590	BDWF	1985	30	1	.	.	.	.	.
1500	17591	BDWF	1985	30	1	.	.	.	.	.
1501	17592	BDWF	1985	30	1	.	.	.	.	.
1502	17593	BDWF	1985	30	1	484	420	1792	1	8
1503	17594	BDWF	1985	30	1	357	328	734	1	6
1504	17595	BDWF	1985	30	1	468	426	1674	2	3
1505	17596	BDWF	1985	30	1	381	343	870	1	8
1506	17597	BDWF	1985	30	1	340	306	514	1	6
1507	17598	BDWF	1985	30	1	301	279	431	1	6
1508	17599	BDWF	1985	30	1	457	417	1866	1	7
1509	17600	BDWF	1985	27	3	392	355	978	1	7
1510	17601	BDWF	1985	27	3	331	298	562	1	6
1511	17602	BDWF	1985	27	3	386	345	746	1	7
1512	17603	BDWF	1985	27	3	340	307	568	1	6
1513	17604	BDWF	1985	27	3	.	456	1726	2	3
1514	17605	BDWF	1985	27	3	452	411	1324	1	7
1515	17606	BDWF	1985	27	3	370	337	643	1	6
1516	17607	BDWF	1985	27	3	357	331	679	1	6
1517	17608	BDWF	1985	27	3	440	403	1277	2	3
1518	17609	BDWF	1985	27	3	.	340	725	1	6
1519	17610	BDWF	1985	27	3	339	313	557	1	6
1520	17611	BDWF	1985	27	3	457	419	1481	1	7
1521	17612	BDWF	1985	27	3	410	375	1066	2	1
1522	17613	BDWF	1985	27	3	480	438	1459	1	7
1523	17614	BDWF	1985	27	3	457	415	1320	2	2
1524	17615	BDWF	1985	27	3	482	443	1500	1	6
1525	17616	BDWF	1985	27	3	417	384	1097	2	1
1526	17617	BDWF	1985	27	3	336	303	528	1	6
1527	17618	BDWF	1985	27	3	347	311	611	1	6
1528	17619	BDWF	1985	27	3	349	313	559	1	6
1529	17620	BDWF	1985	27	3	366	333	711	1	8
1530	17621	BDWF	1985	27	3	370	338	712	1	6
1531	17622	BDWF	1985	27	3	332	302	573	1	6
1532	17623	BDWF	1985	27	3	420	389	1123	1	8
1533	17624	BDWF	1985	27	3	407	372	946	1	6
1534	17625	BDWF	1985	27	3	451	415	1274	2	2
1535	17626	BDWF	1985	27	3	476	425	1631	1	6
1536	17627	BDWF	1985	27	3	.	.	.	.	.
1537	17628	BDWF	1985	27	3	.	.	.	.	.
1538	17629	BDWF	1985	27	3	.	.	.	.	.
1539	17630	BDWF	1985	27	3	.	.	.	.	.
1540	17631	BDWF	1985	27	3	.	.	.	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1541	17632	BDwF	1985	27	3	.	.	.	.	.
1542	17633	BDwF	1985	27	3	.	.	.	.	.
1543	17634	BDwF	1985	27	3	.	.	.	.	.
1544	17635	BDwF	1985	27	3	.	.	.	.	.
1545	17636	BDwF	1985	27	3	.	.	.	.	.
1546	17637	BDwF	1985	27	3	.	.	.	.	.
1547	17638	BDwF	1985	27	3	.	.	.	.	.
1548	17639	BDwF	1985	27	3	.	.	.	.	.
1549	17640	BDwF	1985	27	3	.	.	.	.	.
1550	17641	BDwF	1985	27	3	.	.	.	.	.
1551	17642	BDwF	1985	27	3	.	.	.	.	.
1552	17643	BDwF	1985	27	3	.	.	.	.	.
1553	17644	BDwF	1985	27	3	483	440	1583	2	.
1554	17645	BDwF	1985	27	3	383	351	808	1	3
1555	17646	BDwF	1985	27	3	.	381	1250	2	7
1556	17647	BDwF	1985	27	3	352	322	591	2	3
1557	17648	BDwF	1985	27	3	473	429	1464	1	6
1558	17649	BDwF	1985	27	3	452	408	1403	2	8
1559	17650	BDwF	1985	27	3	375	342	700	1	3
1560	17651	BDwF	1985	27	3	367	330	719	1	6
1561	17652	BDwF	1985	27	3	.	342	717	1	6
1562	17653	BDwF	1985	27	3	351	318	588	1	6
1563	17654	BDwF	1985	27	3	384	347	803	1	7
1564	17655	BDwF	1985	27	3	375	343	738	1	6
1565	17656	BDwF	1985	27	3	349	317	585	1	6
1566	17657	BDwF	1985	27	3	403	373	813	1	6
1567	17658	BDwF	1985	27	3	350	317	589	1	7
1568	17659	BDwF	1985	27	3	450	412	1519	1	7
1569	17660	BDwF	1985	27	3	357	325	638	2	2
1570	17661	BDwF	1985	27	3	444	405	1159	1	7
1571	17662	BDwF	1985	27	3	365	333	599	1	6
1572	17663	BDwF	1985	27	3	371	335	649	1	6
1573	17664	BDwF	1985	27	3	375	340	729	1	6
1574	17664	BDwF	1985	27	3	396	361	763	1	6
1575	17665	BDwF	1985	27	3	410	376	939	1	6
1576	17665	BDwF	1985	27	3	382	345	730	1	6
1577	17666	BDwF	1985	27	3	.	.	.	.	6
1578	17666	BDwF	1985	27	3	.	.	.	.	.
1579	17667	BDwF	1985	27	3	.	.	.	.	.
1580	17667	BDwF	1985	27	3	.	.	.	.	.
1581	17668	BDwF	1985	27	3	.	.	.	.	.
1582	17668	BDwF	1985	27	3	.	.	.	.	.
1583	17669	BDwF	1985	27	3	.	.	.	.	.
1584	17669	BDwF	1985	27	3	.	.	.	.	.
1585	17670	BDwF	1985	27	3	.	.	.	.	.
1586	17671	BDwF	1985	27	3	.	.	.	.	.
1587	17672	BDwF	1985	27	3	.	.	.	.	.
1588	17673	BDwF	1985	27	3	.	.	.	.	.
1589	17674	BDwF	1985	27	3	.	.	.	.	.
1590	17675	BDwF	1985	27	3	.	.	.	.	.
1591	17676	BDwF	1985	27	3	.	.	.	.	.
1592	17677	BDwF	1985	27	3	.	.	.	.	.
1593	17678	BDwF	1985	27	3	.	.	.	.	.
1594	17679	BDwF	1985	27	3	.	.	.	.	.
1595	17680	BDwF	1985	27	3	.	.	.	.	.
1596	17681	BDwF	1985	27	3	.	.	.	.	.
1597	17682	BDwF	1985	27	3	.	.	.	.	.
1598	17683	BDwF	1985	27	3	.	.	.	.	.
1599	17684	BDwF	1985	27	3	.	.	.	.	.
1600	17685	BDwF	1985	27	3	.	.	.	.	.
1601	17686	BDwF	1985	27	3	.	.	.	.	.
1602	17687	BDwF	1985	27	3	.	.	.	.	.
1603	17688	BDwF	1985	27	3	.	.	.	.	.
1604	17689	BDwF	1985	27	3	.	.	.	.	.
1605	17690	BDwF	1985	27	3	.	.	.	.	.
1606	17691	BDwF	1985	27	3	.	.	.	.	.
1607	17692	BDwF	1985	27	3	.	.	.	.	.
1608	17693	BDwF	1985	27	3	.	.	.	.	.
1609	17694	BDwF	1985	27	3	.	.	.	.	.
1610	17695	BDwF	1985	27	3	.	.	.	.	.
1611	17696	BDwF	1985	27	3	.	.	.	.	.
1612	17697	BDwF	1985	27	3	.	.	.	.	.
1613	17698	BDwF	1985	27	3	.	.	.	.	.
1614	17699	BDwF	1985	27	3	.	.	.	.	.
1615	17700	BDwF	1985	27	3	.	.	.	.	.
1616	17701	LSCS	1985	27	3	.	.	.	.	.
1617	17702	LSCS	1985	27	3	.	.	.	.	.
1618	17703	LSCS	1985	27	3	.	.	.	.	.
1619	17704	LSCS	1985	27	3	.	.	.	.	.
1620	17705	LSCS	1985	27	3	.	.	.	.	.
1621	17706	LSCS	1985	27	3	.	.	.	.	.
1622	17707	LSCS	1985	27	3	.	.	.	.	.
1623	17708	LSCS	1985	27	3	.	.	.	.	.
1624	17710	LSCS	1985	27	3	.	.	.	.	.
1625	17711	LSCS	1985	27	3	.	.	.	.	.
1626	17712	LSCS	1985	27	3	.	.	.	.	.
1627	17713	LSCS	1985	27	3	.	.	.	.	.
1628	17714	LKWF	1985	27	3	.	.	.	.	.
1629	17715	LKWF	1985	27	3	.	.	.	.	.
1630	17716	LKWF	1985	27	3	.	.	.	.	.
1631	17717	LKWF	1985	27	3	.	.	.	.	.
1632	17718	LKWF	1985	27	3	.	.	.	.	.
1633	17719	LKWF	1985	27	3	.	.	.	.	.
1634	17720	LKWF	1985	27	3	.	.	.	.	.
1635	17721	LKWF	1985	27	3	.	.	.	.	.
1636	17722	LKWF	1985	27	3	.	.	.	.	.
1637	17723	LKWF	1985	27	3	.	.	.	.	.
1638	17724	LKWF	1985	27	3	.	.	.	.	.
1639	17725	LKWF	1985	27	3	.	.	.	.	.
1640	17726	LKWF	1985	27	3	.	.	.	.	.
1641	17727	LKWF	1985	27	3	.	.	.	.	.
1642	17728	LKWF	1985	27	3	.	.	.	.	.
1643	17729	BDwF	1985	27	3	.	.	.	.	.
1644	17730	BDwF	1985	27	3	.	.	.	.	.
1645	17731	BDwF	1985	27	3	.	.	.	.	.
1646	17732	BDwF	1985	27	3	.	.	.	.	.
1647	17733	BDwF	1985	27	3	.	.	.	.	.
1648	17734	BDwF	1985	27	3	.	.	.	.	.
1649	17735	BDwF	1985	27	3	.	.	.	.	.
1650	17738	BDwF	1985	27	3	.	.	.	.	.
.	.	.	.	324	298	422	.	.	8	.
.	.	.	.	345	313	509	1	.	3	.
.	.	.	.	324	294	395	2	.	1	.
.	.	.	.	221	203	126	2	.	1	.
.	.	.	.	228	191	98	2	.	1	.
.	.	.	.	201	179	91	2	.	1	.
.	.	.	.	204	187	92	0	.	0	.
.	.	.	.	202	180	91	0	.	0	.
.	.	.	.	333	300	444	0	.	0	.
.	.	.	.	325	298	429	2	.	3	.
.	.	.	.	205	186	99	2	.	3	.
.	.	.	.	318	285	386	2	.	3	.
.	.	.	.	395	362	930	2	.	6	.
.	.	.	.	409	370	1019	1	.	6	.
.	.	.	.	418	369	1080	1	.	6	.
.	.	.	.	455	412	1363	1	.	6	.
.	.	.	.	.	332	754	1	.	7	.
.	.	.	.	380	342	809	1	.	6	.
.	.	.	.	390	352	837	2	.	1	.
.	.	.	.	442	400	1537	1	.	6	.
.	.	.	.	432	391	1450	2	.	6	.
.	.	.	.	382	352	829	2	.	1	.
.	.	.	.	396	358	930	2	.	1	.
.	.	.	.	405	372	1010	2	.	1	.
.	.	.	.	413	372	1045	2	.	1	.
.	.	.	.	.	343	897	1	.	1	.
.	.	.	.	308	280	349	1	.	1	.
.	.	.	.	261	236	218	1	.	1	.
.	.	.	.	296	267	314	1	.	1	.
.	.	.	.	.	.	.	6	.	6	.
.	.	.	.	.	.	.	6	.	6	.
.	.	.	.	.	.	.	6	.	6	.
.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1651	17737	BDWF	1985	26	4	.	.	.	.	.
1652	17738	BDWF	1985	26	4	.	.	.	.	.
1653	17739	BDWF	1985	26	4	.	.	.	.	.
1654	17740	LSCS	1985	26	4	174	160	58	2	1
1655	17741	LSCS	1985	26	4	172	159	59	1	6
1656	17742	LSCS	1985	26	4	179	165	63	2	1
1657	17743	LSCS	1985	26	4	.	.	51	0	0
1658	17744	LSCS	1985	26	4	.	162	67	1	6
1659	17745	LSCS	1985	26	4	186	174	81	1	6
1660	17746	LSCS	1985	26	4	173	160	54	1	6
1661	17747	LSCS	1985	26	4	.	158	55	1	6
1662	17748	LSCS	1985	26	4	281	258	267	1	8
1663	17749	LSCS	1985	26	4	.	160	58	0	0
1664	17750	LSCS	1985	26	4	188	173	75	1	6
1665	17751	LSCS	1985	26	4	187	172	67	0	0
1666	17752	LSCS	1985	26	4	173	156	60	0	0
1667	17753	LSCS	1985	26	4	166	154	50	0	0
1668	17754	LSCS	1985	26	4	178	164	58	1	6
1669	17755	LSCS	1985	26	4	249	229	163	1	6
1670	17756	LSCS	1985	26	4	177	162	63	0	0
1671	17757	BDWF	1985	26	4	434	391	1087	1	6
1672	17758	BDWF	1985	26	4	384	333	612	1	6
1673	17759	BDWF	1985	26	4	445	412	1298	1	7
1674	17760	BDWF	1985	26	4	488	444	2010	1	8
1675	17761	BDWF	1985	26	4	472	433	1726	1	8
1676	17762	BDWF	1985	26	4	364	328	623	1	6
1677	17763	BDWF	1985	26	4	.	335	651	1	6
1678	17764	BDWF	1985	26	4	346	315	554	1	6
1679	17765	BDWF	1985	26	4	351	321	626	1	6
1680	17766	BDWF	1985	26	4	409	375	850	1	6
1681	17767	BDWF	1985	26	4	300	272	324	1	6
1682	17768	BDWF	1985	26	4	369	335	672	1	6
1683	17769	BDWF	1985	26	4	396	363	859	1	6
1684	17770	BDWF	1985	26	4	390	354	834	1	6
1685	17771	BDWF	1985	26	4	340	314	558	1	6
1686	17772	BDWF	1985	26	4	314	290	403	1	6
1687	17773	BDWF	1985	26	4	361	330	643	2	1
1688	17774	BDWF	1985	26	4	443	402	1125	2	2
1689	17775	BDWF	1985	26	4	393	359	788	1	6
1690	17776	BDWF	1985	26	4	359	326	575	1	6
1691	17777	BDWF	1985	26	4	338	305	555	1	6
1692	17778	BDWF	1985	26	4	.	337	607	1	6
1693	17779	BDWF	1985	26	4	334	302	485	1	6
1694	17780	BDWF	1985	26	4	313	285	424	1	6
1695	17781	BDWF	1985	26	4	333	308	481	1	6
1696	17782	BDWF	1985	26	4	358	327	557	1	6
1697	17783	BDWF	1985	26	4	333	303	491	1	6
1698	17784	BDWF	1985	26	4	367	334	627	1	6
1699	17785	BDWF	1985	26	4	348	318	530	1	6
1700	17786	BDWF	1985	26	4	332	303	473	1	6
1701	17787	BDWF	1985	26	4	330	302	449	1	6
1702	17788	BDWF	1985	26	4	364	335	624	1	6
1703	17789	BDWF	1985	26	4	315	288	444	1	6
1704	17790	BDWF	1985	26	4	309	283	362	1	6
1705	17791	BDWF	1985	26	4	320	287	414	1	6
1706	17792	BDWF	1985	26	4	299	272	358	1	6
1707	17793	NRPK	1985	26	4	.	.	.	.	.
1708	17794	NRPK	1985	26	4	.	.	.	.	.
1709	17795	LKWF	1985	26	4	407	367	909	1	7
1710	17796	LKWF	1985	26	4	371	336	639	2	1
1711	17797	LKWF	1985	26	4	359	326	562	1	6
1712	17798	LKWF	1985	26	4	385	352	792	2	2
1713	17799	LKWF	1985	26	4	370	337	691	1	6
1714	17800	LKWF	1985	26	4	385	345	787	2	2
1715	17801	LKWF	1985	26	4	349	315	549	2	1
1716	17802	LKWF	1985	26	4	388	352	856	1	7
1717	17803	LKWF	1985	26	4	308	281	374	1	6
1718	17804	LKWF	1985	26	4	292	260	290	1	6
1719	17805	LKWF	1985	26	4	303	273	349	1	6
1720	17806	LKWF	1985	26	4	378	348	861	2	2
1721	17807	LKWF	1985	26	4	349	320	577	1	6
1722	17808	LKWF	1985	26	4	390	357	790	2	2
1723	17809	LKWF	1985	26	4	400	367	717	1	6
1724	17810	BDWF	1985	26	4	312	284	435	1	6
1725	17811	BDWF	1985	25	3	.	394	1230	1	6
1726	17812	BDWF	1985	25	3	493	447	2242	1	8
1727	17813	BDWF	1985	25	3	323	285	484	1	6
1728	17814	BDWF	1985	25	3	.	293	541	1	6
1729	17815	LSCS	1985	25	3	204	186	89	1	1
1730	17816	LSCS	1985	25	3	184	167	66	0	0
1731	17817	NRPK	1985	25	3	.	.	.	.	.
1732	17818	NRPK	1985	25	3	.	.	.	.	.
1733	17819	NRPK	1985	25	3	.	.	.	.	.
1734	17820	NRPK	1985	25	3	.	.	.	.	.
1735	17821	NRPK	1985	25	3	.	.	.	.	.
1736	17822	NRPK	1985	25	3	.	.	.	.	.
1737	17823	NRPK	1985	25	3	.	.	.	.	.
1738	17824	NRPK	1985	25	3	.	.	.	.	.
1739	17825	NRPK	1985	25	3	.	.	.	.	.
1740	17826	NRPK	1985	25	3	.	.	.	.	.
1741	17827	BDWF	1985	24	3	198	183	98	0	0
1742	17828	BDWF	1985	24	3	220	203	133	2	1
1743	17829	BDWF	1985	24	3	170	157	62	2	1
1744	17830	BDWF	1985	24	3	284	259	334	2	1
1745	17831	BDWF	1985	24	3	276	256	308	2	1
1746	17832	BDWF	1985	24	3	.	177	94	2	1
1747	17833	BDWF	1985	30	1	.	.	.	.	.
1748	17834	BDWF	1985	30	1	.	.	.	.	.
1749	17835	LSCS	1985	30	1	214	196	117	2	1
1750	17836	LSCS	1985	30	1	.	160	64	1	6
1751	17837	LSCS	1985	30	1	.	.	.	.	.
1752	17838	LSCS	1985	30	1	.	.	.	.	.
1753	17839	LSCS	1985	30	1	160	144	49	1	6
1754	17840	LSCS	1985	30	1	.	.	.	.	.
1755	17841	LSCS	1985	30	1	.	.	.	.	.
1756	17842	TPCH	1985	30	1	.	.	.	.	.
1757	17843	TPCH	1985	30	1	.	.	.	.	.
1758	17844	LKWF	1985	30	1	250	228	227	1	6
1759	17845	LKWF	1985	30	1	167	153	63	0	0
1760	17846	BDWF	1985	30	1	.	.	.	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1761	17847	NRPK	1985	30	1	.	.	.	.	.
1762	17848	LKWF	1985	32	2	.	.	.	.	.
1763	17849	LSCS	1985	32	3	177	157	60	2	3
1764	17850	LSCS	1985	32	3	195	177	90	1	8
1765	17851	LSCS	1985	32	3	191	174	84	1	6
1766	17852	LSCS	1985	32	3	178	160	60	2	3
1767	17853	LSCS	1985	32	3	172	156	53	1	6
1768	17854	LSCS	1985	32	3	212	190	115	1	8
1769	17855	LSCS	1985	32	3	198	174	91	2	3
1770	17856	LSCS	1985	32	3	225	186	104	1	8
1771	17857	LSCS	1985	32	3	217	199	125	2	3
1772	17858	LSCS	1985	32	3	217	200	130	1	8
1773	17859	LSCS	1985	32	3	192	175	81	1	7
1774	17860	LSCS	1985	32	3	200	184	92	1	8
1775	17861	LSCS	1985	32	3	158	142	41	0	0
1776	17862	LSCS	1985	32	3	179	161	57	1	6
1777	17863	LSCS	1985	32	3	256	228	200	2	3
1778	17864	LSCS	1985	32	3	201	183	96	2	1
1779	17865	LSCS	1985	32	3	170	154	55	0	0
1780	17866	LSCS	1985	32	3	227	206	141	1	8
1781	17867	LSCS	1985	32	3	217	185	116	1	8
1782	17868	INCO	1985	32	3	415	376	688	1	6
1783	17869	BDWF	1985	24	4	.	146	48	0	0
1784	17870	BDWF	1985	24	4	154	138	48	0	0
1785	17871	BDWF	1985	24	4	178	164	72	0	0
1786	17872	BDWF	1985	24	4	.	178	102	0	0
1787	17873	BDWF	1985	24	4	201	183	108	0	0
1788	17874	BDWF	1985	24	4	293	269	425	2	1
1789	17875	BDWF	1985	24	4	284	259	377	1	6
1790	17876	BDWF	1985	24	4	308	279	494	1	6
1791	17877	BDWF	1985	24	4	301	275	419	1	6
1792	17878	BDWF	1985	24	4	.	133	38	0	0
1793	17879	BDWF	1985	24	4	189	173	85	2	1
1794	17880	BDWF	1985	24	4	307	282	467	1	6
1795	17881	BDWF	1985	24	4	199	183	102	2	1
1796	17882	BDWF	1985	24	4	153	139	47	0	0
1797	17883	BDWF	1985	24	4	196	180	95	2	1
1798	17884	BDWF	1985	24	4	314	290	493	1	6
1799	17885	BDWF	1985	24	4	148	134	42	1	6
1800	17886	BDWF	1985	24	4	304	280	297	1	6
1801	17887	BDWF	1985	24	4	151	138	42	0	0
1802	17888	BDWF	1985	24	4	.	280	435	2	1
1803	17889	BDWF	1985	24	4	322	294	527	1	6
1804	17890	BDWF	1985	24	4	244	224	217	2	1
1805	17891	LSCS	1985	24	4	338	308	572	2	3
1806	17892	LSCS	1985	24	4	338	308	454	2	3
1807	17893	LKWF	1985	24	5	.	389	996	1	6
1808	17894	BDWF	1985	24	5	.	330	634	1	6
1809	17895	BDWF	1985	24	5	435	397	1207	1	6
1810	17896	LSCS	1985	24	5	290	262	278	2	3
1811	17897	LSCS	1985	24	5	291	268	208	2	2
1812	17898	LSCS	1985	24	5	269	245	166	1	6
1813	17899	LSCS	1985	24	5	274	251	190	2	2
1814	17900	LSCS	1985	24	5	321	294	326	2	3
1815	17901	LSCS	1985	24	5	276	253	175	1	8
1816	17902	LSCS	1985	24	5	296	271	223	2	2
1817	17903	LSCS	1985	24	5	271	247	210	2	3
1818	17904	LSCS	1985	24	5	294	277	223	2	2
1819	17905	LSCS	1985	24	5	253	230	168	1	7
1820	17906	LSCS	1985	24	5	301	273	300	2	3
1821	17907	LSCS	1985	24	5	276	247	169	2	1
1822	17908	LSCS	1985	24	5	311	282	300	2	3
1823	17909	LSCS	1985	24	5	273	245	192	2	2
1824	17910	LSCS	1985	24	5	318	292	298	2	2
1825	17911	LSCS	1985	24	5	262	239	167	1	8
1826	17912	ARCS	1985	24	5	.	.	.	.	.
1827	17913	ARCS	1985	24	5	.	.	.	.	.
1828	17914	ARCS	1985	24	5	338	308	410	1	.
1829	17915	ARCS	1985	24	5	319	294	388	1	10
1830	17916	ARCS	1985	24	5	.	.	.	.	.
1831	17917	ARCS	1985	24	5	.	.	.	.	.
1832	17918	ARCS	1985	24	5	286	262	259	1	10
1833	17919	ARCS	1985	24	5	.	.	.	.	.
1834	17920	ARCS	1985	24	5	.	.	.	.	.
1835	17921	ARCS	1985	24	5	.	.	.	.	.
1836	17922	ARCS	1985	24	5	.	.	.	.	.
1837	17923	ARCS	1985	24	5	.	.	.	.	.
1838	17924	ARCS	1985	24	5	.	.	.	.	.
1839	17925	ARCS	1985	24	5	.	.	.	.	.
1840	17926	ARCS	1985	24	5	.	.	.	.	.
1841	17927	ARCS	1985	24	5	.	.	.	.	.
1842	17928	ARCS	1985	24	5	.	.	.	.	.
1843	17929	ARCS	1985	24	5	.	.	.	.	.
1844	17930	ARCS	1985	24	5	.	.	.	.	.
1845	17931	ARCS	1985	24	5	.	.	.	.	.
1846	17932	ARCS	1985	24	5	.	.	.	.	.
1847	17933	ARCS	1985	24	5	.	.	.	.	.
1848	17934	ARCS	1985	24	5	.	.	.	.	.
1849	17935	ARCS	1985	24	5	.	.	.	.	.
1850	17936	ARCS	1985	24	5	.	.	.	.	.
1851	17937	ARCS	1985	24	5	.	.	.	.	.
1852	17938	ARCS	1985	24	5	.	.	.	.	.
1853	17939	ARCS	1985	24	5	307	281	298	2	2
1854	17940	ARCS	1985	24	5	.	.	.	.	.
1855	17941	ARCS	1985	24	5	342	315	350	2	.
1856	17942	ARCS	1985	24	5	.	.	.	.	.
1857	17943	ARCS	1985	24	5	304	279	272	2	1
1858	17944	ARCS	1985	24	5	.	.	.	.	.
1859	17945	ARCS	1985	24	5	.	.	.	.	.
1860	17946	ARCS	1985	24	5	.	.	.	.	.
1861	17947	ARCS	1985	24	5	.	.	.	.	.
1862	17948	ARCS	1985	24	5	.	.	.	.	.
1863	17949	ARCS	1985	24	5	.	.	.	.	.
1864	17950	ARCS	1985	24	5	.	.	.	.	.
1865	17951	ARCS	1985	24	5	.	.	.	.	.
1866	17952	ARCS	1985	24	5	.	.	.	.	.
1867	17953	ARCS	1985	24	5	.	.	.	.	.
1868	17954	ARCS	1985	24	5	.	.	.	.	.
1869	17955	ARCS	1985	24	5	.	.	.	.	.
1870	17956	ARCS	1985	24	5	.	.	.	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1871	17957	ARCS	1985	24	5	.	.	.	.	.
1872	17958	ARCS	1985	24	5	.	.	.	.	.
1873	17959	ARCS	1985	24	5	.	.	.	.	.
1874	17960	ARCS	1985	24	5	.	.	.	.	.
1875	17961	ARCS	1985	24	5	.	.	.	.	.
1876	17962	SFCD	1985	24	5	.	.	.	.	.
1877	17963	SFCD	1985	24	5	.	.	.	.	.
1878	17964	SFCD	1985	24	5	.	.	.	.	.
1879	17965	SFCD	1985	24	5	.	.	.	.	.
1880	17966	SFCD	1985	24	5	.	.	.	.	.
1881	17967	SFCD	1985	24	5	.	.	.	.	.
1882	17968	SFCD	1985	24	5	.	.	.	.	.
1883	17969	SFCD	1985	24	5	.	.	.	.	.
1884	17970	SFCD	1985	24	5	.	.	.	.	.
1885	17971	SFCD	1985	24	5	.	.	.	.	.
1886	17972	FHSC	1985	24	5	.	.	.	.	.
1887	17973	FHSC	1985	24	5	.	.	.	.	.
1888	17974	FHSC	1985	24	5	.	.	.	.	.
1889	17975	FHSC	1985	24	5	.	.	.	.	.
1890	17976	FHSC	1985	24	5	.	.	.	.	.
1891	17977	FHSC	1985	24	5	.	.	.	.	.
1892	17978	STFL	1985	24	5	.	.	.	.	.
1893	17979	STFL	1985	24	5	.	.	.	.	.
1894	17980	STFL	1985	24	5	.	.	.	.	.
1895	17981	STFL	1985	24	5	.	.	.	.	.
1896	17982	STFL	1985	24	5	.	.	.	.	.
1897	17983	STFL	1985	24	5	.	.	.	.	.
1898	17984	STFL	1985	24	5	.	.	.	.	.
1899	17985	ARFL	1985	24	5	.	.	.	.	.
1900	17986	ARFL	1985	24	5	.	.	.	.	.
1901	17987	ARFL	1985	24	5	.	.	.	.	.
1902	17988	ARFL	1985	24	5	.	.	.	.	.
1903	17989	ARFL	1985	24	5	.	.	.	.	.
1904	17990	ARFL	1985	24	5	.	.	.	.	.
1905	17991	ARFL	1985	24	5	.	.	.	.	.
1906	17992	ARFL	1985	24	5	.	.	.	.	.
1907	17993	ARFL	1985	24	5	.	.	.	.	.
1908	17994	ARFL	1985	24	5	.	.	.	.	.
1909	17995	PCHR	1985	24	5	.	.	.	.	.
1910	17996	PCHR	1985	24	5	.	.	.	.	.
1911	17997	PCHR	1985	24	5	.	.	.	.	.
1912	17998	PCHR	1985	24	5	.	.	.	.	.
1913	17999	PCHR	1985	24	5	.	.	.	.	.
1914	18000	PCHR	1985	24	5	.	.	.	.	.
1915	18001	LKWF	1985	35	1	514	460	1905	2	3
1916	18002	LKWF	1985	35	1	477	433	1895	2	3
1917	18003	LKWF	1985	35	1	338	304	531	1	6
1918	18004	LKWF	1985	35	1	.	280	398	1	6
1919	18005	LKWF	1985	35	1	.	289	368	1	6
1920	18006	LKWF	1985	35	1	411	379	1184	1	8
1921	18007	LKWF	1985	35	1	315	291	462	1	6
1922	18008	LKWF	1985	35	1	469	427	1555	1	8
1923	18009	LKWF	1985	35	1	477	435	1685	1	8
1924	18010	LKWF	1985	35	1	285	265	314	1	6
1925	18011	LKWF	1985	35	1	375	327	459	1	6
1926	18012	LKWF	1985	35	1	274	257	290	1	6
1927	18013	LKWF	1985	35	1	478	445	1571	2	3
1928	18014	LKWF	1985	35	1	313	287	429	1	6
1929	18015	LKWF	1985	35	1	292	266	325	1	6
1930	18016	LKWF	1985	35	1	301	283	385	1	6
1931	18017	LKWF	1985	35	1	471	431	1647	1	8
1932	18018	LKWF	1985	35	1	527	492	2305	2	3
1933	18019	LKWF	1985	35	1	440	416	1284	2	3
1934	18020	LKWF	1985	35	1	387	355	808	2	1
1935	18021	LKWF	1985	35	1	451	411	1186	1	8
1936	18022	LKWF	1985	35	1	438	402	1240	2	3
1937	18023	LKWF	1985	35	1	309	286	398	1	6
1938	18024	LKWF	1985	35	1	388	356	954	1	8
1939	18025	LKWF	1985	35	1	429	392	1153	2	1
1940	18026	LKWF	1985	35	1	416	385	1130	1	6
1941	18027	LKWF	1985	35	1	472	441	2010	2	3
1942	18028	LKWF	1985	35	1	439	403	1354	2	3
1943	18029	LKWF	1985	35	1	427	392	1224	2	3
1944	18030	LKWF	1985	35	1	412	375	1120	2	3
1945	18031	LKWF	1985	35	1	331	307	512	2	1
1946	18032	LKWF	1985	35	1	425	390	1138	2	3
1947	18033	LKWF	1985	35	1	311	289	425	1	6
1948	18034	LKWF	1985	35	1	456	413	1189	1	8
1949	18035	LKWF	1985	35	1	454	409	1368	1	8
1950	18036	LKWF	1985	35	1	455	420	1523	2	3
1951	18037	LKWF	1985	35	1	515	471	1664	2	2
1952	18038	LKWF	1985	35	1	437	404	1374	1	8
1953	18039	LKWF	1985	35	1	436	399	1418	1	8
1954	18040	LKWF	1985	35	1	408	371	1124	2	3
1955	18041	LKWF	1985	35	1	440	402	1368	2	3
1956	18042	LKWF	1985	35	1	442	410	1443	2	2
1957	18043	LKWF	1985	35	1	458	420	1622	2	3
1958	18044	LKWF	1985	35	1	450	410	1364	1	8
1959	18045	LKWF	1985	35	1	432	392	1181	2	3
1960	18046	LKWF	1985	35	1	317	291	448	1	6
1961	18047	LKWF	1985	35	1	392	356	865	2	1
1962	18048	BDWF	1985	35	1	470	428	1449	2	2
1963	18049	BDWF	1985	35	1	441	410	1438	1	8
1964	18050	BDWF	1985	35	1	514	471	2073	1	8
1965	18051	BDWF	1985	35	1	458	420	1451	1	8
1966	18052	BDWF	1985	35	1	513	461	1802	2	2
1967	18053	BDWF	1985	35	1	511	452	1974	1	8
1968	18054	BDWF	1985	35	1	445	410	1438	2	3
1969	18055	LKWF	1985	35	1	.	.	.	.	.
1970	18056	BDWF	1985	35	1	474	438	1945	2	3
1971	18057	NRPK	1985	35	1	.	.	.	.	.
1972	18058	NRPK	1985	35	1	.	.	.	.	.
1973	18059	NRPK	1985	35	1	.	.	.	.	.
1974	18060	NRPK	1985	35	1	.	.	.	.	.
1975	18061	NRPK	1985	35	1	.	.	.	.	.
1976	18062	NRPK	1985	35	1	.	.	.	.	.
1977	18063	NRPK	1985	35	1	.	.	.	.	.
1978	18064	NRPK	1985	35	1	.	.	.	.	.
1979	18065	NRPK	1985	35	1	.	.	.	.	.
1980	18066	NRPK	1985	35	1	.	.	.	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
1981	18067	BDWF	1985	35	1	495	460	2071	2	3
1982	18068	BDWF	1985	35	1	484	449	1887	2	3
1983	18069	BDWF	1985	35	1	441	409	1603	2	3
1984	18070	BDWF	1985	35	1	473	425	1619	1	8
1985	18071	BDWF	1985	35	1	482	438	1748	1	8
1986	18072	WHSK	1985	35	1	.	.	.	.	.
1987	18073	WHSK	1985	35	1	.	.	.	.	.
1988	18074	WHSK	1985	35	1	.	.	.	.	.
1989	18075	WHSK	1985	35	1	.	.	.	.	.
1990	18076	LKTR	1985	35	1	.	.	.	.	.
1991	18077	LKTR	1985	35	1	.	.	.	.	.
1992	18078	LKTR	1985	35	1	.	.	.	.	.
1993	18079	LKTR	1985	35	1	.	.	.	.	.
1994	18080	LKTR	1985	35	1	.	.	.	.	.
1995	18081	LKTR	1985	35	1	.	.	.	.	.
1996	18082	LKTR	1985	35	1	.	.	.	.	.
1997	18083	LKTR	1985	35	1	.	.	.	.	.
1998	18084	LKTR	1985	35	1	.	.	.	.	.
1999	18085	LKTR	1985	35	1	.	.	.	.	.
2000	18086	BDWF	1985	35	1	488	444	1691	1	8
2001	18087	BDWF	1985	35	1	476	435	1848	2	3
2002	18088	BDWF	1985	35	1	469	424	1671	1	8
2003	18089	BDWF	1985	35	1	443	403	1506	1	8
2004	18090	BDWF	1985	35	1	479	436	1662	1	8
2005	18091	BDWF	1985	35	1	513	475	1986	1	8
2006	18092	BDWF	1985	35	1	467	425	1127	1	7
2007	18093	BDWF	1985	35	1	518	477	1712	2	3
2008	18094	BDWF	1985	35	1	483	442	1692	1	8
2009	18095	BDWF	1985	35	1	507	464	1898	1	8
2010	18096	BDWF	1985	35	1	378	345	841	2	2
2011	18097	BDWF	1985	35	1	463	422	1512	1	8
2012	18098	LSCS	1985	35	1	196	182	71	1	6
2013	18099	LSCS	1985	35	1	200	184	77	2	1
2014	18100	LSCS	1985	35	1	237	215	125	2	1
2015	18101	LSCS	1985	35	1	225	205	113	2	1
2016	18102	LSCS	1985	35	1	220	200	114	1	6
2017	18103	LSCS	1985	35	1	191	176	74	2	3
2018	18104	LSCS	1985	35	1	227	219	128	2	1
2019	18105	LSCS	1985	35	1	223	205	106	1	6
2020	18106	LSCS	1985	35	1	175	160	53	1	8
2021	18107	LSCS	1985	35	1	187	171	68	1	8
2022	18108	LSCS	1985	35	1	223	210	127	2	1
2023	18109	LSCS	1985	35	1	249	227	156	2	2
2024	18110	LKWF	1985	35	1	185	164	67	0	0
2025	18111	LKWF	1985	35	1	179	164	71	0	0
2026	18112	LKWF	1985	35	1	190	174	83	0	0
2027	18113	LKWF	1985	35	1	192	173	81	0	0
2028	18114	LKWF	1985	35	1	205	187	106	1	6
2029	18115	LKWF	1985	35	1	172	156	61	1	6
2030	18116	LKWF	1985	35	1	289	270	363	1	6
2031	18117	LKWF	1985	35	1	296	274	344	2	1
2032	18118	BDWF	1985	35	1	506	464	1840	1	8
2033	18119	BDWF	1985	35	1	473	429	1657	1	8
2034	18120	BDWF	1985	35	1	505	468	1630	2	2
2035	18121	BDWF	1985	35	1	602	552	3342	1	7
2036	18122	BDWF	1985	35	1	501	456	1732	1	8
2037	18123	BDWF	1985	35	1	525	476	2209	1	8
2038	18124	BDWF	1985	35	1	491	442	1780	1	8
2039	18125	BDWF	1985	35	1	459	415	1549	1	8
2040	18126	BDWF	1985	35	1	463	420	1487	1	8
2041	18127	BDWF	1985	35	1	483	436	1662	1	8
2042	18128	BDWF	1985	35	1	455	415	1531	2	3
2043	18129	BDWF	1985	35	1	439	399	1289	1	8
2044	18130	BDWF	1985	35	1	403	370	893	2	2
2045	18131	BDWF	1985	35	1	390	353	926	1	8
2046	18132	BDWF	1985	35	1	410	371	1067	2	3
2047	18133	BDWF	1985	35	1	475	425	1696	1	8
2048	18134	BDWF	1985	35	1	435	396	1348	1	8
2049	18135	NRPK	1985	35	1	.	.	.	.	.
2050	18136	WHSK	1985	35	1	.	.	.	.	.
2051	18137	LSCS	1985	34	1	280	252	281	2	3
2052	18138	LSCS	1985	34	1	.	187	111	2	3
2053	18139	LSCS	1985	34	1	192	173	77	2	1
2054	18140	LSCS	1985	34	1	.	169	71	2	2
2055	18141	LSCS	1985	34	1	208	185	97	2	3
2056	18142	LSCS	1985	34	1	.	164	72	1	8
2057	18143	LSCS	1985	34	1	.	186	102	2	3
2058	18144	LSCS	1985	34	1	256	233	201	1	8
2059	18145	BDWF	1985	34	1	491	460	2157	1	8
2060	18146	BDWF	1985	34	1	495	446	2216	2	3
2061	18147	BDWF	1985	34	1	545	514	2478	2	3
2062	18148	NRPK	1985	34	1	.	.	.	.	.
2063	18149	NRPK	1985	34	1	.	.	.	.	.
2064	18150	NRPK	1985	34	1	.	.	.	.	.
2065	18151	NRPK	1985	34	1	.	.	.	.	.
2066	18152	NRPK	1985	34	1	.	.	.	.	.
2067	18153	NRPK	1985	34	1	.	.	.	.	.
2068	18154	NRPK	1985	34	1	.	.	.	.	.
2069	18155	NRPK	1985	34	1	.	.	.	.	.
2070	18156	NRPK	1985	34	1	.	.	.	.	.
2071	18157	NRPK	1985	34	1	.	.	.	.	.
2072	18158	LKWF	1985	34	1	472	426	1824	2	3
2073	18159	LKWF	1985	34	1	445	401	1518	2	3
2074	18160	LKWF	1985	34	1	412	372	958	2	3
2075	18161	LKWF	1985	34	1	430	384	1192	1	6
2076	18162	LKWF	1985	34	1	431	393	1321	2	3
2077	18163	LKWF	1985	34	1	428	385	1304	1	8
2078	18164	LKWF	1985	34	1	425	385	1018	1	8
2079	18165	LKWF	1985	34	1	373	335	791	1	6
2080	18166	LKWF	1985	34	1	379	339	748	1	6
2081	18167	LKWF	1985	34	1	339	305	507	1	6
2082	18168	LKWF	1985	34	1	350	315	606	1	6
2083	18169	LKWF	1985	34	1	306	275	366	1	6
2084	18170	LKWF	1985	34	1	457	407	1556	2	2
2085	18171	INCO	1985	34	1	732	678	4077	1	8
2086	18172	INCO	1985	34	1	382	347	515	1	6
2087	18173	BDWF	1985	33	1	534	485	3027	1	8
2088	18174	BRBT	1985	33	1	.	.	.	.	.
2089	18175	LNSK	1985	33	1	.	.	.	.	.
2090	18176	LNSK	1985	33	1	.	.	.	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2091	18177	LNSK	1985	33	1	.	.	.	.	.
2092	18178	LNSK	1985	33	1	.	.	.	.	.
2093	18179	LKWF	1985	33	1	394	355	869	1	7
2094	18180	LKWF	1985	33	1	412	376	1184	1	8
2095	18181	LKWF	1985	33	1	448	416	1350	2	3
2096	18182	LKWF	1985	33	1	443	404	1203	1	8
2097	18183	LKWF	1985	33	1	405	368	1344	1	8
2098	18184	LKWF	1985	33	1	545	500	2261	1	7
2099	18185	LKWF	1985	33	1	439	405	1377	1	7
2100	18186	LKWF	1985	33	1	360	326	694	2	1
2101	18187	LKWF	1985	33	1	.	366	1051	1	1
2102	18188	LKWF	1985	33	1	435	409	1298	2	3
2103	18189	LKWF	1985	33	1	437	400	1052	2	3
2104	18190	LKWF	1985	33	1	416	382	998	1	7
2105	18191	LKWF	1985	33	1	399	360	1019	1	8
2106	18192	LKWF	1985	33	1	463	417	1472	2	3
2107	18193	LKWF	1985	33	1	426	385	1122	1	8
2108	18194	LKWF	1985	33	1	445	405	1422	2	3
2109	18195	LKWF	1985	33	1	375	344	803	1	6
2110	18196	LKWF	1985	33	1	430	388	1191	1	8
2111	18197	LKWF	1985	33	1	414	365	1134	1	8
2112	18198	LKWF	1985	33	1	420	381	960	2	2
2113	18199	LKWF	1985	33	1	485	418	1527	1	8
2114	18200	LKWF	1985	33	1	438	390	1151	1	8
2115	18201	LKWF	1985	33	1	385	349	876	1	6
2116	18202	LKWF	1985	33	1	488	442	1694	1	8
2117	18203	LKWF	1985	33	1	459	418	1524	1	8
2118	18204	LKWF	1985	33	1	462	425	1433	2	3
2119	18205	LKWF	1985	33	1	446	400	1350	2	3
2120	18206	LKWF	1985	33	1	420	380	1353	1	8
2121	18207	LKWF	1985	33	1	417	378	1144	2	3
2122	18208	LKWF	1985	33	1	460	425	1498	1	8
2123	18209	LKWF	1985	33	1	413	374	996	1	8
2124	18210	LKWF	1985	33	1	405	363	1105	1	8
2125	18211	LKWF	1985	33	1	425	379	1280	1	8
2126	18212	LKWF	1985	33	1	484	441	1740	1	8
2127	18213	BDWF	1985	33	1	501	465	1693	1	8
2128	18214	LKWF	1985	33	1	445	403	1278	1	8
2129	18215	LKWF	1985	33	1	480	444	1958	2	3
2130	18216	LKWF	1985	33	1	292	265	347	1	6
2131	18217	LKWF	1985	33	1	318	282	385	1	6
2132	18218	LKWF	1985	33	1	403	364	981	1	8
2133	18219	LKWF	1985	33	1	429	390	1333	2	3
2134	18220	LKWF	1985	33	1	446	406	1636	2	3
2135	18221	LKWF	1985	33	1	438	392	1189	1	8
2136	18222	LKWF	1985	33	1	409	370	1275	2	3
2137	18223	LKWF	1985	33	1	404	368	1043	1	8
2138	18224	LKWF	1985	33	1	385	354	984	2	3
2139	18225	BDWF	1985	33	1	478	447	1824	2	3
2140	18226	BDWF	1985	33	1	481	449	1833	2	3
2141	18227	ARCS	1985	33	1	.	.	.	.	.
2142	18228	ARCS	1985	33	1	.	.	.	.	.
2143	18229	ARCS	1985	33	1	.	.	.	.	.
2144	18230	ARCS	1985	33	1	.	.	.	.	.
2145	18231	ARCS	1985	33	1	.	.	.	.	.
2146	18232	ARCS	1985	33	1	.	.	.	.	.
2147	18233	ARCS	1985	33	1	.	.	.	.	.
2148	18234	ARCS	1985	33	1	.	.	.	.	.
2149	18235	ARCS	1985	33	1	.	.	.	.	.
2150	18236	ARCS	1985	33	1	.	.	.	.	.
2151	18237	ARCS	1985	33	1	.	.	.	.	.
2152	18238	ARCS	1985	33	1	.	.	.	.	.
2153	18239	ARCS	1985	33	1	.	.	.	.	.
2154	18240	ARCS	1985	33	1	.	.	.	.	.
2155	18241	ARCS	1985	33	1	.	.	.	.	.
2156	18242	ARCS	1985	33	1	.	.	.	.	.
2157	18243	ARCS	1985	33	1	.	.	.	.	.
2158	18244	ARCS	1985	33	1	.	.	.	.	.
2159	18245	ARCS	1985	33	1	.	.	.	.	.
2160	18246	ARCS	1985	33	1	.	.	.	.	.
2161	18247	ARCS	1985	33	1	.	.	.	.	.
2162	18248	ARCS	1985	33	1	.	.	.	.	.
2163	18249	ARCS	1985	33	1	.	.	.	.	.
2164	18250	ARCS	1985	33	1	.	.	.	.	.
2165	18251	ARCS	1985	33	1	.	.	.	.	.
2166	18252	ARCS	1985	33	1	.	.	.	.	.
2167	18253	ARCS	1985	33	1	.	.	.	.	.
2168	18254	ARCS	1985	33	1	.	.	.	.	.
2169	18255	ARCS	1985	33	1	.	.	.	.	.
2170	18256	ARCS	1985	33	1	.	.	.	.	.
2171	18257	ARCS	1985	33	1	.	.	.	.	.
2172	18258	ARCS	1985	33	1	.	.	.	.	.
2173	18259	ARCS	1985	33	1	.	.	.	.	.
2174	18260	ARCS	1985	33	1	.	.	.	.	.
2175	18261	ARCS	1985	33	1	.	.	.	.	.
2176	18262	LKWF	1985	33	1	460	418	1780	2	3
2177	18263	LKWF	1985	33	1	467	423	2003	2	3
2178	18264	LKWF	1985	33	1	439	397	1194	1	7
2179	18265	LKWF	1985	33	1	486	437	2001	1	8
2180	18266	LKWF	1985	33	1	412	374	1144	1	8
2181	18267	LKWF	1985	33	1	475	432	1656	1	8
2182	18268	LKWF	1985	33	1	479	435	1462	1	8
2183	18269	LKWF	1985	33	1	428	389	1185	1	8
2184	18270	LNSK	1985	33	1	.	.	.	.	.
2185	18271	LNSK	1985	33	1	.	.	.	.	.
2186	18272	LNSK	1985	33	1	.	.	.	.	.
2187	18273	BDWF	1985	36	1	288	261	322	2	1
2188	18274	LKWF	1985	36	1	.	272	351	2	1
2189	18275	INCO	1985	36	1	704	654	3708	1	6
2190	18276	INCO	1985	36	1	482	441	1077	1	6
2191	18277	INCO	1985	36	1	651	596	2619	1	6
2192	18278	LKWF	1985	36	1	370	339	751	2	2
2193	18279	BDWF	1985	36	1	325	290	491	1	6
2194	18280	LKWF	1985	36	1	418	379	1186	2	2
2195	18281	BDWF	1985	36	1	500	460	1973	2	2
2196	18282	LKWF	1985	36	1	335	302	535	2	1
2197	18283	BDWF	1985	36	1	458	409	1248	1	7
2198	18284	BDWF	1985	36	1	433	389	1065	1	7
2199	18285	LKWF	1985	36	1	460	418	1623	2	2
2200	18286	LKWF	1985	42	1	461	421	1194	1	10

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2201	18286	LSCS	1985	26	1	33	.	1	.	.
2202	18287	BDWF	1985	42	1	477	440	1487	2	4
2203	18288	BDWF	1985	42	1	505	458	1885	2	4
2204	18289	LKWF	1985	42	1	400	367	696	1	10
2205	18290	BDWF	1985	42	1	443	401	1224	1	9
2206	18291	BDWF	1985	42	1	445	408	1064	1	9
2207	18292	LKWF	1985	42	1	414	377	738	1	10
2208	18293	BDWF	1985	42	1	450	415	1074	2	4
2209	18294	BDWF	1985	42	1	467	427	1385	2	4
2210	18295	LKWF	1985	42	1	406	370	854	1	10
2211	18296	BDWF	1985	42	1	.	421	1220	1	9
2212	18297	BDWF	1985	42	1	436	398	1076	2	4
2213	18298	BDWF	1985	42	1	464	423	1244	1	10
2214	18299	LKWF	1985	42	1	451	415	1088	2	2
2215	18300	LKWF	1985	42	1	461	423	1427	1	9
2216	18301	BDWF	1985	36	1	486	433	1296	2	1
2217	18302	LKWF	1985	36	1	434	397	1317	2	2
2218	18303	INCO	1985	36	1	721	657	4216	2	2
2219	18304	BDWF	1985	36	1	469	425	1648	1	7
2220	18305	LKWF	1985	36	1	460	422	1755	2	2
2221	18306	INCO	1985	36	1	675	620	3452	1	6
2222	18307	INCO	1985	36	1	793	735	5675	2	2
2223	18308	INCO	1985	36	1	624	570	2041	1	6
2224	18309	BDWF	1985	36	1	349	315	585	2	1
2225	18310	INCO	1985	36	1	408	370	632	1	6
2226	18311	BDWF	1985	36	1	447	410	1262	2	2
2227	18312	BDWF	1985	36	1	347	312	594	1	6
2228	18313	BDWF	1985	42	1	477	439	1208	1	10
2229	18314	LKWF	1985	42	1	411	371	773	1	10
2230	18315	BDWF	1985	36	1	495	456	1542	2	2
2231	18316	BDWF	1985	36	1	342	307	589	1	6
2232	18317	LKWF	1985	36	1	465	421	1440	2	5
2233	18318	BDWF	1985	36	1	471	423	1474	1	7
2234	18319	BDWF	1985	36	1	468	427	1726	2	2
2235	18320	BDWF	1985	36	1	488	450	1744	2	2
2236	18321	BDWF	1985	36	1	424	385	1069	2	5
2237	18326	BDWF	1985	26	1	171	.	49	.	.
2238	18327	LSCS	1985	26	1	179	.	38	.	.
2239	18328	LSCS	1985	26	1	83	.	4	.	.
2240	18329	LSCS	1985	26	1	72	.	3	.	.
2241	18330	BDWF	1985	26	1	146	.	30	.	.
2242	18331	BDWF	1985	26	1	204	.	82	.	.
2243	18332	BDWF	1985	26	1	108	.	13	.	.
2244	18333	BDWF	1985	26	1	174	.	54	.	.
2245	18334	LSCS	1985	26	1	75	.	2	.	.
2246	18335	LSCS	1985	26	1	141	.	24	.	.
2247	18336	LKWF	1985	26	1	136	.	29	.	.
2248	18337	LSCS	1985	26	1	102	.	8	.	.
2249	18338	NSSB	1985	26	1	47	.	2	.	.
2250	18339	LKWF	1985	26	1	175	.	46	.	.
2251	18340	BDWF	1985	26	1	198	.	65	.	.
2252	18341	BDWF	1985	26	1	122	.	19	.	.
2253	18342	BDWF	1985	26	1	174	.	54	.	.
2254	18343	LSCS	1985	26	1	108	.	7	.	.
2255	18344	BDWF	1985	26	1	94	.	19	.	.
2256	18345	BDWF	1985	26	1	160	.	46	.	.
2257	18346	LSCS	1985	26	1	142	.	21	.	.
2258	18347	LKWF	1985	26	1	169	.	42	.	.
2259	18348	LSCS	1985	26	1	103	.	7	.	.
2260	18349	LSCS	1985	26	1	74	.	3	.	.
2261	18350	BDWF	1985	26	1	110	.	14	.	.
2262	18351	LSCS	1985	26	1	98	.	6	.	.
2263	18352	BDWF	1985	26	1	112	.	14	.	.
2264	18353	BDWF	1985	26	1	115	.	14	.	.
2265	18354	BDWF	1985	26	1	106	.	11	.	.
2266	18355	BDWF	1985	26	1	118	.	17	.	.
2267	18356	SHSC	1985	26	1	71	.	2	.	.
2268	18357	NSSB	1985	26	1	39	.	1	.	.
2269	18358	LSCS	1985	26	1	23	.	1	.	.
2270	18359	LSCS	1985	26	1	31	.	1	.	.
2271	18360	LSCS	1985	26	1	.	.	1	.	.
2272	18361	LSCS	1985	26	1	30	.	1	.	.
2273	18362	LSCS	1985	26	1	28	.	1	.	.
2274	18363	LSCS	1985	26	1	24	.	1	.	.
2275	18364	LSCS	1985	26	1	32	.	1	.	.
2276	18365	LSCS	1985	26	1	103	.	8	.	.
2277	18366	LSCS	1985	26	1	98	.	8	.	.
2278	18367	LSCS	1985	26	1	84	.	4	.	.
2279	18368	LSCS	1985	26	1	43	.	1	.	.
2280	18369	LSCS	1985	26	1	89	.	5	.	.
2281	18370	LSCS	1985	26	1	25	.	1	.	.
2282	18371	LSCS	1985	26	1	87	.	4	.	.
2283	18372	LSCS	1985	26	1	78	.	3	.	.
2284	18373	LSCS	1985	26	1	144	.	21	.	.
2285	18374	LSCS	1985	26	1	41	.	1	.	.
2286	18375	LKWF	1985	26	1	141	.	31	.	.
2287	18376	LSCS	1985	26	1	38	.	1	.	.
2288	18377	LSCS	1985	26	1	115	.	13	.	.
2289	18378	BDWF	1985	26	1	168	.	51	.	.
2290	18379	BDWF	1985	26	1	144	.	37	.	.
2291	18380	LSCS	1985	26	1	85	.	5	.	.
2292	18381	LSCS	1985	26	1	70	.	2	.	.
2293	18382	LSCS	1985	26	1	75	.	2	.	.
2294	18383	LSCS	1985	26	1	.	.	8	.	.
2295	18384	LSCS	1985	26	1	28	.	1	.	.
2296	18385	LSCS	1985	26	1	84	.	3	.	.
2297	18387	LSCS	1985	26	1	41	.	1	.	.
2298	18388	LSCS	1985	26	1	28	.	1	.	.
2299	18389	?	1985	26	1	.	.	.	.	.
2300	18390	LSCS	1985	26	1	29	.	1	.	.
2301	18391	LSCS	1985	26	1	28	.	1	.	.
2302	18392	BDWF	1985	26	1	51	.	1	.	.
2303	18393	LSCS	1985	26	1	32	.	1	.	.
2304	18394	LSCS	1985	26	1	34	.	1	.	.
2305	18395	LSCS	1985	26	1	31	.	1	.	.
2306	18396	LSCS	1985	26	1	24	.	1	.	.
2307	18397	LSCS	1985	26	1	38	.	1	.	.
2308	18398	LSCS	1985	26	1	24	.	1	.	.
2309	18399	LSCS	1985	26	1	22	.	1	.	.
2310	18400	BDWF	1985	26	1	46	.	1	.	.

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2311	18401	LSCS	1985	26	1	24	.	1	.	.
2312	18402	LSCS	1985	26	1	32	.	1	.	.
2313	18403	LSCS	1985	26	1	69	.	3	.	.
2314	18404	LSCS	1985	26	1	118	.	11	.	.
2315	18405	BDWF	1985	26	1	162	.	44	.	.
2316	18406	LSCS	1985	26	1	112	.	7	.	.
2317	18407	BDWF	1985	26	1	128	.	24	.	.
2318	18408	BDWF	1985	26	1	110	.	12	.	.
2319	18409	BDWF	1985	26	1	113	.	15	.	.
2320	18410	LKWF	1985	26	1	164	.	44	.	.
2321	18411	BDWF	1985	26	1	170	.	54	.	.
2322	18412	LSCS	1985	26	1	154	.	26	.	.
2323	18413	BDWF	1985	26	1	118	.	18	.	.
2324	18414	LSCS	1985	26	1	72	.	2	.	.
2325	18415	NSSB	1985	26	1	27	.	1	.	.
2326	18416	BDWF	1985	26	1	124	.	20	.	.
2327	18417	BDWF	1985	26	1	117	.	14	.	.
2328	18418	BDWF	1985	26	1	157	.	34	.	.
2329	18419	LSCS	1985	26	1	142	.	21	.	.
2330	18420	LSCS	1985	26	1	119	.	11	.	.
2331	18421	LSCS	1985	26	1	158	.	29	.	.
2332	18422	BDWF	1985	26	1	99	.	9	.	.
2333	18423	LSCS	1985	26	1	86	.	5	.	.
2334	18424	BDWF	1985	26	1	109	.	13	.	.
2335	18425	LSCS	1985	26	1	114	.	10	.	.
2336	18426	LSCS	1985	26	1	122	.	15	.	.
2337	18427	LSCS	1985	26	1	133	.	17	.	.
2338	18428	LSCS	1985	26	1	123	.	13	.	.
2339	18429	LSCS	1985	26	1	116	.	12	.	.
2340	18430	NSSB	1985	26	1	36	.	1	.	.
2341	18431	BDWF	1985	26	1	80	.	4	.	.
2342	18432	LSCS	1985	26	1	41	.	1	.	.
2343	18433	BDWF	1985	26	1	114	.	12	.	.
2344	18434	LSCS	1985	26	1	85	.	2	.	.
2345	18435	BDWF	1985	26	1	115	.	12	.	.
2346	18436	LSCS	1985	26	1	118	.	12	.	.
2347	18437	LSCS	1985	26	1	141	.	23	.	.
2348	18438	LSCS	1985	26	1	129	.	17	.	.
2349	18439	LSCS	1985	26	1	104	.	7	.	.
2350	18440	LSCS	1985	26	1	82	.	4	.	.
2351	18441	LSCS	1985	26	1	120	.	12	.	.
2352	18442	LSCS	1985	26	1	134	.	22	.	.
2353	18443	LSCS	1985	26	1	98	.	7	.	.
2354	18444	LSCS	1985	26	1	134	.	17	.	.
2355	18445	LSCS	1985	26	1	113	.	12	.	.
2356	18446	LSCS	1985	26	1	120	.	16	.	.
2357	18447	BDWF	1985	26	1	118	.	14	.	.
2358	18448	BDWF	1985	26	1	106	.	11	.	.
2359	18449	LSCS	1985	26	1	31	.	1	.	.
2360	18450	LSCS	1985	26	1	27	.	1	.	.
2361	18451	LSCS	1985	26	1	54	.	1	.	.
2362	18452	LSCS	1985	26	1	114	.	11	.	.
2363	18453	LSCS	1985	26	1	110	.	10	.	.
2364	18454	LSCS	1985	26	1	128	.	17	.	.
2365	18455	LSCS	1985	26	1	31	.	1	.	.
2366	18456	LSCS	1985	26	1	36	.	1	.	.
2367	18457	BDWF	1985	26	1	38	.	1	.	.
2368	18458	LSCS	1985	26	1	30	.	1	.	.
2369	18459	LSCS	1985	26	1	48	.	1	.	.
2370	18460	LSCS	1985	26	1	140	.	23	.	.
2371	18461	LSCS	1985	26	1	124	.	15	.	.
2372	18462	LKWF	1985	26	1	164	.	54	.	.
2373	18463	BDWF	1985	26	1	108	.	14	.	.
2374	18464	BDWF	1985	26	1	68	.	4	.	.
2375	18465	LSCS	1985	26	1	197	.	56	.	.
2376	18466	BDWF	1985	26	1	102	.	10	.	.
2377	18467	LKWF	1985	26	1	180	.	40	.	.
2378	18468	LKWF	1985	26	1	.	.	52	.	.
2379	18469	BDWF	1985	26	1	118	.	18	.	.
2380	18470	BDWF	1985	26	1	119	.	16	.	.
2381	18471	LSCS	1985	26	1	164	.	35	.	.
2382	18472	BDWF	1985	26	1	133	.	25	.	.
2383	18473	BDWF	1985	26	1	158	.	35	.	.
2384	18474	BDWF	1985	26	1	142	.	33	.	.
2385	18475	BDWF	1985	26	1	69	.	3	.	.
2386	18476	LSCS	1985	26	1	116	.	9	.	.
2387	18477	LKWF	1985	26	1	121	.	19	.	.
2388	18478	BDWF	1985	26	1	124	.	19	.	.
2389	18479	BDWF	1985	26	1	128	.	21	.	.
2390	18480	LSCS	1985	26	1	120	.	11	.	.
2391	18481	LKWF	1985	26	1	153	.	36	.	.
2392	18482	LKWF	1985	26	1	.	.	62	.	.
2393	18483	BDWF	1985	26	1	109	.	14	.	.
2394	18484	LSCS	1985	26	1	98	.	8	.	.
2395	18485	LSCS	1985	26	1	96	.	6	.	.
2396	18486	BDWF	1985	26	1	59	.	2	.	.
2397	18487	LSCS	1985	26	1	27	.	1	.	.
2398	18488	LSCS	1985	26	1	29	.	1	.	.
2399	18489	LSCS	1985	26	1	32	.	1	.	.
2400	18490	LSCS	1985	26	1	38	.	1	.	.
2401	18491	LSCS	1985	26	1	28	.	1	.	.
2402	18492	LSCS	1985	26	1	63	.	2	.	.
2403	18493	LSCS	1985	26	1	86	.	5	.	.
2404	18494	LSCS	1985	26	1	25	.	1	.	.
2405	18495	LSCS	1985	26	1	27	.	1	.	.
2406	18496	LSCS	1985	26	1	32	.	1	.	.
2407	18497	LSCS	1985	26	1	30	.	1	.	.
2408	18498	LSCS	1985	26	1	32	.	1	.	.
2409	18499	LSCS	1985	26	1	128	.	15	.	.
2410	18500	BDWF	1985	26	1	110	.	12	.	.
2411	18501	BDWF	1985	43	1	513	489	1868	2	4
2412	18502	BDWF	1985	43	1	465	431	1328	2	4
2413	18503	BDWF	1985	43	1	458	419	1356	1	10
2414	18504	BDWF	1985	43	1	473	433	1477	2	4
2415	18505	BDWF	1985	43	1	460	423	1216	1	9
2416	18506	BDWF	1985	43	1	476	438	1524	2	4
2417	18507	BDWF	1985	43	1	503	459	1575	1	9
2418	18508	BDWF	1985	43	1	471	431	1116	1	10
2419	18509	BDWF	1985	43	1	468	428	1138	1	9
2420	18510	BDWF	1985	43	1	.	455	1505	2	4

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2421	18511	BDWF	1985	39	1	487	442	1877	2	5
2422	18512	BDWF	1985	39	1	480	435	1734	1	10
2423	18513	BDWF	1985	39	1	488	440	1671	2	4
2424	18514	BDWF	1985	39	1	523	476	2522	1	10
2425	18515	BDWF	1985	39	1	499	457	1739	2	4
2426	18516	BDWF	1985	39	1	462	413	1584	2	5
2427	18517	BDWF	1985	39	1	456	420	1549	1	9
2428	18518	BDWF	1985	39	1	479	438	1731	1	10
2429	18519	BDWF	1985	39	1	468	431	1856	1	10
2430	18520	BDWF	1985	39	1	504	470	2219	1	10
2431	18521	BDWF	1985	39	1	460	419	1791	1	9
2432	18522	BDWF	1985	39	1	498	451	1780	2	4
2433	18523	BDWF	1985	39	1	495	458	1885	1	9
2434	18524	BDWF	1985	39	1	505	451	1926	1	9
2435	18525	BDWF	1985	39	1	453	406	1742	2	4
2436	18526	BDWF	1985	36	1	332	294	495	2	1
2437	18527	BDWF	1985	36	1	469	430	1723	1	7
2438	18528	BDWF	1985	36	1	341	309	528	2	1
2439	18529	BDWF	1985	36	1	423	382	1082	1	7
2440	18530	BDWF	1985	36	1	276	250	307	2	1
2441	18531	BDWF	1985	36	1	317	286	435	1	6
2442	18532	BDWF	1985	36	1	368	337	688	2	1
2443	18533	BDWF	1985	41	1	489	448	1739	2	4
2444	18534	BDWF	1985	41	1	.	416	1199	1	9
2445	18535	BDWF	1985	41	1	.	425	1689	1	9
2446	18536	BDWF	1985	41	1	.	472	2038	1	10
2447	18537	BDWF	1985	41	1	.	489	2435	1	9
2448	18538	BDWF	1985	41	1	.	460	1751	1	10
2449	18539	BDWF	1985	41	1	494	454	1670	1	10
2450	18540	BDWF	1985	41	1	.	463	2084	2	4
2451	18541	BDWF	1985	41	1	491	470	.	2	4
2452	18542	BDWF	1985	41	1	.	464	1853	2	4
2453	18543	BDWF	1985	41	1	473	433	1928	2	4
2454	18544	BDWF	1985	41	1	.	454	1883	2	4
2455	18545	BDWF	1985	41	1	.	480	2303	2	4
2456	18546	BDWF	1985	41	1	.	483	2208	1	9
2457	18547	BDWF	1985	43	1	445	411	1334	1	9
2458	18548	BDWF	1985	43	1	466	431	1420	1	10
2459	18549	BDWF	1985	43	1	512	472	1359	2	5
2460	18550	BDWF	1985	43	1	510	472	1955	2	4
2461	18551	BDWF	1985	43	1	627	578	3265	1	9
2462	18552	BDWF	1985	43	1	468	436	1201	1	9
2463	18553	BDWF	1985	43	1	483	444	1307	1	9
2464	18554	BDWF	1985	43	1	448	409	1106	1	9
2465	18555	BDWF	1985	43	1	488	443	1340	1	9
2466	18556	BDWF	1985	43	1	.	415	1107	1	9
2467	18557	BDWF	1985	43	1	481	444	1371	1	9
2468	18558	BDWF	1985	43	1	474	435	1420	1	10
2469	18559	BDWF	1985	43	1	455	416	1255	1	10
2470	18560	BDWF	1985	43	1	465	428	1425	1	10
2471	18561	BDWF	1985	43	1	.	432	1412	2	4
2472	18562	BDWF	1985	43	1	476	437	1398	1	9
2473	18563	BDWF	1985	43	1	471	428	1209	1	9
2474	18564	BDWF	1985	43	1	522	486	1898	2	4
2475	18565	BDWF	1985	43	1	.	434	1213	1	10
2476	18566	BDWF	1985	43	1	479	448	1239	1	9
2477	18567	BDWF	1985	38	1	468	422	1246	1	9
2478	18568	BDWF	1985	38	1	479	435	1789	2	4
2479	18569	BDWF	1985	38	1	485	449	2067	2	3
2480	18570	BDWF	1985	38	1	491	452	2249	2	4
2481	18571	BDWF	1985	38	1	.	446	2709	1	9
2482	18572	BDWF	1985	38	1	485	447	1788	2	4
2483	18573	BDWF	1985	38	1	511	463	2192	2	3
2484	18574	BDWF	1985	38	1	500	480	2371	1	10
2485	18575	BDWF	1985	38	1	499	451	2032	2	4
2486	18576	BDWF	1985	38	1	498	452	1904	2	3
2487	18577	BDWF	1985	38	1	471	433	1908	2	3
2488	18578	BDWF	1985	38	1	495	453	1999	1	10
2489	18579	BDWF	1985	38	1	538	488	2851	2	4
2490	18580	BDWF	1985	38	1	485	426	1731	2	4
2491	18581	BDWF	1985	39	1	.	440	1975	2	4
2492	18582	BDWF	1985	39	1	.	413	1740	2	1
2493	18583	BDWF	1985	39	1	483	442	1868	1	10
2494	18584	BDWF	1985	39	1	.	425	1699	2	4
2495	18585	BDWF	1985	39	1	.	.	1924	1	10
2496	18586	BDWF	1985	39	1	.	459	2133	2	4
2497	18587	BDWF	1985	39	1	.	478	2537	2	4
2498	18588	BDWF	1985	43	1	475	435	1205	1	10
2499	18589	BDWF	1985	43	1	510	468	1945	2	4
2500	18590	BDWF	1985	43	1	450	405	1236	1	10
2501	18591	BDWF	1985	43	1	513	470	1429	1	7
2502	18592	BDWF	1985	43	1	481	421	1204	1	10
2503	18593	BDWF	1985	43	1	500	458	1452	1	10
2504	18594	BDWF	1985	43	1	487	438	1360	1	10
2505	18595	BDWF	1985	43	1	456	416	1260	2	4
2506	18596	BDWF	1985	43	1	502	460	1586	2	4
2507	18597	BDWF	1985	43	1	563	514	2521	2	4
2508	18598	BDWF	1985	39	1	472	433	1725	1	10
2509	18599	BDWF	1985	39	1	495	462	2186	1	10
2510	18600	BDWF	1985	39	1	465	420	2017	2	4
2511	18601	BDWF	1985	39	1	486	441	1994	1	9
2512	18602	BDWF	1985	39	1	460	421	1841	1	6
2513	18603	BDWF	1985	39	1	.	458	1816	1	10
2514	18604	BDWF	1985	39	1	.	455	1941	1	6
2515	18605	BDWF	1985	39	1	.	.	2299	1	10
2516	18606	BDWF	1985	39	1	483	442	1825	1	9
2517	18607	BDWF	1985	39	1	.	407	1832	2	4
2518	18608	BDWF	1985	39	1	477	434	1778	2	4
2519	18609	INCO	1985	37	1	351	319	393	1	6
2520	18610	INCO	1985	37	1	369	338	483	1	6
2521	18611	INCO	1985	37	1	363	332	410	1	6
2522	18612	INCO	1985	37	1	340	309	361	1	6
2523	18613	LSCS	1985	37	1	275	257	234	2	5
2524	18614	LSCS	1985	37	1	286	257	250	.	.
2525	18615	LSCS	1985	37	1	350	322	486	2	1
2526	18616	BDWF	1985	41	1	.	394	1132	1	10
2527	18617	BDWF	1985	41	1	.	444	.	2	.
2528	18618	BDWF	1985	41	1	.	462	1779	1	10
2529	18619	BDWF	1985	41	1	.	418	1568	2	4
2530	18620	BDWF	1985	41	1	.	445	1913	1	10

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2531	18621	BDWF	1985	41	1	.	474	2727	1	8
2532	18622	BDWF	1985	42	1	443	403	1066	2	4
2533	18623	BDWF	1985	42	1	442	408	1163	2	4
2534	18624	BDWF	1985	42	1	.	435	1321	2	4
2535	18625	BDWF	1985	42	1	452	414	1034	2	5
2536	18626	BDWF	1985	42	1	.	432	1223	1	10
2537	18627	BDWF	1985	42	1	478	436	1487	1	10
2538	18628	BDWF	1985	42	1	572	522	2626	1	10
2539	18629	BDWF	1985	42	1	.	447	1394	1	10
2540	18630	BDWF	1985	42	1	444	405	995	2	5
2541	18631	BDWF	1985	42	1	475	430	1273	1	9
2542	18632	BDWF	1985	42	1	446	412	1078	1	9
2543	18633	BDWF	1985	42	1	478	439	1101	2	5
2544	18634	BDWF	1985	42	1	461	416	1203	1	10
2545	18635	BDWF	1985	42	1	483	441	1284	1	10
2546	18636	BDWF	1985	42	1	448	408	1246	1	10
2547	18637	BDWF	1985	42	1	456	415	1287	1	10
2548	18638	BDWF	1985	42	1	453	414	1244	2	2
2549	18639	BDWF	1985	39	1	488	446	1984	1	10
2550	18640	BDWF	1985	39	1	.	442	1721	1	10
2551	18641	BDWF	1985	39	1	509	472	1904	1	7
2552	18642	BDWF	1985	39	1	.	445	1778	2	4
2553	18643	BDWF	1985	39	1	.	390	1077	1	7
2554	18644	BDWF	1985	39	1	.	446	1894	2	2
2555	18645	BDWF	1985	39	1	.	418	1558	1	10
2556	18646	BDWF	1985	39	1	475	437	1808	2	2
2557	18647	BDWF	1985	39	1	.	441	1759	2	4
2558	18648	BDWF	1985	39	1	502	455	1940	1	7
2559	18649	BDWF	1985	39	1	.	430	1828	1	9
2560	18650	BDWF	1985	39	1	.	456	1963	2	4
2561	18651	BDWF	1985	39	1	.	463	1859	2	5
2562	18652	BDWF	1985	39	1	481	449	1526	2	5
2563	18653	BDWF	1985	39	1	477	433	1861	2	4
2564	18654	BDWF	1985	39	1	.	452	1867	2	2
2565	18655	BDWF	1985	39	1	485	441	1483	1	10
2566	18656	BDWF	1985	39	1	.	428	1800	1	9
2567	18657	BDWF	1985	43	1	461	420	1208	2	4
2568	18658	BDWF	1985	43	1	518	474	2009	2	4
2569	18659	BDWF	1985	43	1	489	448	1286	1	10
2570	18660	BDWF	1985	43	1	456	417	1421	1	9
2571	18661	BDWF	1985	43	1	501	459	1551	1	9
2572	18662	BDWF	1985	43	1	468	433	1534	2	4
2573	18663	BDWF	1985	43	1	.	412	1294	1	7
2574	18664	BDWF	1985	43	1	498	454	1485	1	9
2575	18665	BDWF	1985	43	1	484	444	1834	2	4
2576	18666	BDWF	1985	43	1	462	420	1326	1	7
2577	18667	BDWF	1985	42	1	.	454	1502	2	4
2578	18668	BDWF	1985	42	1	449	410	1068	2	4
2579	18669	BDWF	1985	42	1	448	409	1051	2	5
2580	18670	BDWF	1985	42	1	470	426	1198	1	9
2581	18671	BDWF	1985	42	1	484	442	1281	1	10
2582	18672	BDWF	1985	42	1	428	391	948	2	4
2583	18673	BDWF	1985	42	1	481	418	1299	1	10
2584	18674	BDWF	1985	42	1	506	461	1506	2	5
2585	18675	BDWF	1985	42	1	469	426	1344	1	10
2586	18676	BDWF	1985	42	1	480	433	1342	1	9
2587	18677	BDWF	1985	42	1	428	390	975	1	10
2588	18678	BDWF	1985	42	1	489	446	1484	1	10
2589	18679	BDWF	1985	42	1	443	478	1457	2	4
2590	18680	BDWF	1985	42	1	442	391	1053	1	10
2591	18681	BDWF	1985	42	1	461	413	1288	1	10
2592	18682	BDWF	1985	42	1	467	427	1360	2	4
2593	18683	BDWF	1985	41	1	.	418	1460	2	4
2594	18684	BDWF	1985	41	1	.	456	2384	2	4
2595	18685	BDWF	1985	41	1	.	.	1363	2	4
2596	18686	BDWF	1985	41	1	472	427	1716	2	4
2597	18687	BDWF	1985	41	1	.	463	2153	2	4
2598	18688	BDWF	1985	41	1	.	453	1799	1	7
2599	18689	BDWF	1985	41	1	.	474	2042	2	4
2600	18690	BDWF	1985	41	1	.	399	1304	2	4
2601	18691	BDWF	1985	41	1	.	424	1181	2	4
2602	18692	BDWF	1985	42	1	461	420	1276	1	10
2603	18693	BDWF	1985	42	1	471	424	1237	1	10
2604	18694	BDWF	1985	42	1	451	412	1021	2	4
2605	18695	BDWF	1985	42	1	458	410	1201	1	9
2606	18696	BDWF	1985	42	1	462	421	1242	1	10
2607	18697	BDWF	1985	42	1	443	398	1078	1	10
2608	18698	BDWF	1985	42	1	493	453	1200	2	5
2609	18699	BDWF	1985	42	1	468	426	1287	1	10
2610	18700	BDWF	1985	38	1	480	431	2011	1	9
2611	18701	BDWF	1985	38	1	490	442	1794	2	4
2612	18702	BDWF	1985	38	1	512	460	1923	2	4
2613	18703	BDWF	1985	38	1	469	421	1569	1	9
2614	18704	BDWF	1985	38	1	485	438	1472	2	4
2615	18705	BDWF	1985	38	1	503	454	1637	1	9
2616	18706	BDWF	1985	38	1	506	464	1898	2	4
2617	18707	BDWF	1985	38	1	522	470	2005	1	9
2618	18708	BDWF	1985	38	1	538	491	2652	2	4
2619	18709	BDWF	1985	38	1	483	442	1985	2	4
2620	18710	BDWF	1985	38	1	505	464	2249	2	4
2621	18711	BDWF	1985	38	1	451	411	1465	1	10
2622	18712	BDWF	1985	38	1	487	449	1799	1	9
2623	18713	BDWF	1985	38	1	463	410	1501	2	4
2624	18714	BDWF	1985	38	1	483	439	1845	1	10
2625	18715	BDWF	1985	38	1	543	495	2553	1	10
2626	18716	BDWF	1985	38	1	502	454	1764	2	4
2627	18717	BDWF	1985	42	1	448	407	1229	1	9
2628	18718	BDWF	1985	42	1	481	440	1315	2	4
2629	18719	BDWF	1985	42	1	477	432	1188	1	10
2630	18720	BDWF	1985	42	1	435	391	1062	1	10
2631	18721	BDWF	1985	42	1	451	408	1061	1	9
2632	18722	BDWF	1985	42	1	456	418	1233	1	10
2633	18723	BDWF	1985	42	1	430	390	907	2	5
2634	18724	BDWF	1985	42	1	503	460	1351	1	10
2635	18725	BDWF	1985	42	1	472	429	1229	1	9
2636	18726	BDWF	1985	42	1	448	412	1080	1	10
2637	18727	BDWF	1985	42	1	514	475	1878	1	10
2638	18728	BDWF	1985	38	1	478	439	1956	1	9
2639	18729	BDWF	1985	38	1	447	402	1388	1	10
2640	18730	BDWF	1985	38	1	471	426	1451	2	4

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2641	18731	BDWF	1985	38	1	498	456	1931	2	4
2642	18732	BDWF	1985	25	3	414	379	961	1	6
2643	18733	BDWF	1985	25	3	424	383	883	1	6
2644	18734	BDWF	1985	25	3	387	353	912	1	6
2645	18735	BDWF	1985	25	3	428	390	1200	1	6
2646	18736	BDWF	1985	25	3	403	365	1041	2	2
2647	18737	BDWF	1985	25	3	476	436	1886	1	6
2648	18738	BDWF	1985	25	3	481	447	1625	2	3
2649	18739	BDWF	1985	25	3	435	401	956	1	6
2650	18740	BDWF	1985	25	3	424	387	1004	1	6
2651	18741	BDWF	1985	25	3	376	344	670	1	6
2652	18742	BDWF	1985	25	3	408	372	867	1	6
2653	18743	BDWF	1985	25	3	424	385	1008	1	6
2654	18744	BDWF	1985	25	3	418	379	1072	1	6
2655	18745	BDWF	1985	25	3	470	433	1777	2	3
2656	18746	BDWF	1985	25	3	453	419	1365	2	2
2657	18747	BDWF	1985	25	3	490	451	1785	2	3
2658	18748	BDWF	1985	25	3	458	412	1389	1	6
2659	18749	BDWF	1985	25	3	450	411	1453	1	8
2660	18750	BDWF	1985	25	2	413	357	981	1	6
2661	18751	BDWF	1985	25	2	436	394	1402	2	3
2662	18752	BDWF	1985	25	2	445	412	1515	2	3
2663	18753	BDWF	1985	25	2	463	422	1605	1	7
2664	18754	BDWF	1985	25	2	416	381	1017	1	6
2665	18755	BDWF	1985	25	2	362	320	557	1	6
2666	18756	BDWF	1985	25	2	380	345	765	1	6
2667	18757	BDWF	1985	25	2	.	298	438	1	6
2668	18758	BDWF	1985	25	2	399	364	921	2	1
2669	18759	BDWF	1985	25	2	403	370	951	2	1
2670	18760	BDWF	1985	25	2	468	426	1656	1	8
2671	18761	BDWF	1985	25	2	440	406	1339	2	3
2672	18762	BDWF	1985	25	2	435	400	1205	2	1
2673	18763	BDWF	1985	25	2	422	379	1133	1	6
2674	18764	BDWF	1985	25	2	470	443	1567	1	7
2675	18765	BDWF	1985	25	2	376	342	807	1	6
2676	18766	BDWF	1985	25	2	338	307	528	1	6
2677	18767	BDWF	1985	25	2	408	375	893	2	1
2678	18768	BDWF	1985	25	2	448	407	1511	1	8
2679	18769	BDWF	1985	25	2	442	402	1406	1	8
2680	18770	BDWF	1985	25	2	448	418	1509	2	3
2681	18771	BDWF	1985	25	2	478	441	1492	2	2
2682	18772	BDWF	1985	25	2	450	410	1437	2	3
2683	18773	BDWF	1985	25	2	413	367	985	1	6
2684	18774	BDWF	1985	25	2	413	379	930	1	6
2685	18775	BDWF	1985	25	2	446	405	1391	1	6
2686	18776	BDWF	1985	25	2	400	362	1082	1	6
2687	18777	BDWF	1985	25	2	435	399	1251	2	1
2688	18778	BDWF	1985	25	2	80	340	718	2	1
2689	18779	BDWF	1985	25	2	464	430	1659	2	3
2690	18780	BDWF	1985	25	2	450	412	1674	1	6
2691	18781	BDWF	1985	25	2	493	447	1432	1	6
2692	18782	BDWF	1985	25	2	488	444	1554	1	7
2693	18783	BDWF	1985	25	2	480	437	1578	2	3
2694	18784	BDWF	1985	25	2	420	381	1011	1	6
2695	18785	BDWF	1985	25	2	509	464	1898	2	3
2696	18786	BDWF	1985	25	2	416	380	1044	2	1
2697	18787	BDWF	1985	25	2	440	391	1421	1	6
2698	18788	BDWF	1985	25	2	460	417	1483	1	6
2699	18789	BDWF	1985	25	2	482	430	1553	1	7
2700	18790	BDWF	1985	25	2	498	459	2143	2	3
2701	18791	BDWF	1985	25	2	480	442	1837	2	3
2702	18792	BDWF	1985	25	2	386	348	810	1	6
2703	18793	BDWF	1985	25	2	427	387	1009	1	7
2704	18794	BDWF	1985	25	2	493	451	1658	1	8
2705	18795	BDWF	1985	25	2	493	453	2058	1	8
2706	18796	BDWF	1985	26	1	.	294	411	1	6
2707	18797	BDWF	1985	26	1	.	312	485	1	6
2708	18798	BDWF	1985	26	1	428	391	977	1	6
2709	18799	BDWF	1985	26	1	327	294	423	1	6
2710	18800	BDWF	1985	26	1	383	332	557	1	6
2711	18801	BDWF	1985	26	1	338	305	394	1	6
2712	18802	BDWF	1985	26	1	322	293	375	1	6
2713	18803	BDWF	1985	26	1	425	384	1010	2	3
2714	18804	BDWF	1985	26	1	357	326	562	1	6
2715	18805	BDWF	1985	26	1	.	298	488	1	6
2716	18806	BDWF	1985	26	1	312	286	392	1	6
2717	18807	BDWF	1985	26	1	328	301	400	1	6
2718	18808	BDWF	1985	26	1	332	302	482	1	6
2719	18809	BRCS	1985	46	1	352	316	442	.	.
2720	18810	INCO	1985	46	1	433	395	851	1	6
2721	18811	INCO	1985	46	1	415	376	750	1	6
2722	18812	INCO	1985	36	1	472	432	1079	1	6
2723	18813	INCO	1985	36	1	411	378	619	1	6
2724	18814	INCO	1985	36	1	514	465	1346	1	6
2725	18815	INCO	1985	36	1	502	455	1228	1	6
2726	18816	INCO	1985	36	1	433	400	718	1	6
2727	18817	INCO	1985	36	1	.	405	804	1	6
2728	18818	INCO	1985	36	1	.	458	1213	1	6
2729	18819	INCO	1985	36	1	359	328	478	1	6
2730	18820	INCO	1985	36	1	398	360	624	1	6
2731	18821	INCO	1985	36	1	388	353	571	1	6
2732	18822	INCO	1985	36	1	521	477	1261	1	6
2733	18823	INCO	1985	36	1	799	732	5857	2	2
2734	18824	INCO	1985	36	1	800	732	4031	2	5
2735	18825	INCO	1985	36	1	362	330	451	2	2
2736	18826	INCO	1985	36	1	705	653	3949	1	6
2737	18827	INCO	1985	36	1	344	312	398	1	6
2738	18828	INCO	1985	36	1	737	674	3982	2	2
2739	18829	INCO	1985	36	1	680	628	3466	1	7
2740	18830	INCO	1985	36	1	642	591	2873	1	7
2741	18831	INCO	1985	36	1	713	650	3909	2	2
2742	18832	BDWF	1985	25	1	310	286	373	1	6
2743	18833	BDWF	1985	25	1	295	275	304	1	6
2744	18834	BDWF	1985	25	1	298	266	291	1	6
2745	18835	BDWF	1985	25	1	313	288	355	1	6
2746	18836	BDWF	1985	25	1	305	280	322	1	6
2747	18837	BDWF	1985	25	1	313	285	343	1	6
2748	18838	BDWF	1985	25	1	321	294	473	1	6
2749	18839	BDWF	1985	25	1	322	293	402	1	6
2750	18840	BDWF	1985	25	1	294	267	310	1	6

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2751	18841	BDWF	1985	25	1	295	269	279	1	6
2752	18842	BDWF	1985	25	1	287	264	275	1	6
2753	18843	BDWF	1985	25	1	280	258	299	1	6
2754	18844	BDWF	1985	25	1	292	268	297	1	6
2755	18845	BDWF	1985	25	1	296	270	304	1	6
2756	18846	BDWF	1985	25	1	290	270	303	1	6
2757	18847	BDWF	1985	25	1	302	275	311	1	6
2758	18848	BDWF	1985	25	1	293	264	309	1	6
2759	18849	BDWF	1985	25	1	303	276	361	1	6
2760	18850	BDWF	1985	25	1	291	265	350	1	6
2761	18851	BDWF	1985	25	1	298	265	301	1	6
2762	18852	BDWF	1985	25	1	305	277	341	1	6
2763	18853	BDWF	1985	25	1	308	280	382	1	6
2764	18854	BDWF	1985	25	1	287	261	312	1	6
2765	18855	BDWF	1985	25	1	294	268	310	1	6
2766	18856	BDWF	1985	25	1	384	353	737	1	7
2767	18857	BDWF	1985	25	1	339	312	498	1	6
2768	18858	BDWF	1985	25	1	318	295	408	1	6
2769	18859	BDWF	1985	25	1	370	292	393	1	6
2770	18860	BDWF	1985	25	1	307	279	376	1	6
2771	18861	BDWF	1985	25	1	324	290	388	1	6
2772	18862	BDWF	1985	25	1	299	272	340	1	6
2773	18863	BDWF	1985	26	1	319	290	347	1	6
2774	18864	BDWF	1985	26	1	325	295	369	1	6
2775	18865	BDWF	1985	26	1	350	317	455	1	6
2776	18866	BDWF	1985	26	1	340	307	485	1	6
2777	18867	BDWF	1985	26	1	323	293	389	1	6
2778	18868	BDWF	1985	26	1	322	292	357	1	6
2779	18869	BDWF	1985	26	1	336	306	448	1	6
2780	18870	BDWF	1985	26	1	332	303	431	1	6
2781	18871	BDWF	1985	26	1	348	316	496	1	6
2782	18872	BDWF	1985	26	1	301	273	305	1	6
2783	18873	BDWF	1985	26	1	309	282	375	1	6
2784	18874	BDWF	1985	26	1	320	293	395	1	6
2785	18875	BDWF	1985	26	1	304	272	349	1	6
2786	18876	BDWF	1985	26	1	378	342	676	1	6
2787	18877	BDWF	1985	26	1	296	267	322	1	6
2788	18878	BDWF	1985	26	1	353	321	574	1	6
2789	18879	BDWF	1985	26	1	311	284	348	1	6
2790	18880	BDWF	1985	26	1	330	297	399	1	6
2791	18881	BDWF	1985	26	1	302	273	336	1	6
2792	18882	BDWF	1985	26	1	335	303	492	1	6
2793	18883	BDWF	1985	26	1	327	296	382	1	6
2794	18884	BDWF	1985	26	1	302	272	289	1	6
2795	18885	BDWF	1985	26	1	288	257	285	1	6
2796	18886	BDWF	1985	26	1	322	290	382	1	6
2797	18887	BDWF	1985	26	1	320	285	376	1	6
2798	18888	BDWF	1985	26	1	338	305	458	1	6
2799	18889	BDWF	1985	26	1	322	295	429	1	6
2800	18890	BDWF	1985	26	1	287	259	270	1	6
2801	18891	BDWF	1985	26	1	290	260	288	1	6
2802	18892	BDWF	1985	26	1	308	278	345	1	6
2803	18893	BDWF	1985	26	1	303	275	221	1	6
2804	18894	BDWF	1985	26	1	283	253	258	1	6
2805	18895	BDWF	1985	26	1	292	264	285	1	6
2806	18896	BDWF	1985	26	1	277	252	232	1	6
2807	18897	BDWF	1985	26	1	302	275	314	1	6
2808	18898	BDWF	1985	26	1	281	254	240	1	6
2809	18899	BDWF	1985	26	1	290	264	312	1	6
2810	18900	LKWF	1985	25	2	291	266	312	1	6
2811	18901	LKWF	1985	25	2	307	282	383	1	6
2812	18902	LKWF	1985	25	2	388	334	605	2	1
2813	18903	LKWF	1985	25	2	383	338	579	1	6
2814	18904	LKWF	1985	25	2	387	340	587	2	1
2815	18905	LKWF	1985	25	2	374	342	542	1	6
2816	18906	LKWF	1985	25	2	327	297	459	1	6
2817	18907	LKWF	1985	25	2	275	252	253	1	6
2818	18908	LKWF	1985	25	2	385	357	713	2	1
2819	18909	LKWF	1985	26	1	290	264	308	1	6
2820	18910	LKWF	1985	26	1	307	275	360	1	6
2821	18911	LKWF	1985	26	1	292	265	294	1	6
2822	18912	LKWF	1985	26	1	350	326	573	1	6
2823	18913	LKWF	1985	26	1	335	307	475	1	6
2824	18914	LKWF	1985	26	1	252	229	177	1	6
2825	18915	LKWF	1985	26	1	253	227	184	1	6
2826	18916	LKWF	1985	26	1	267	244	220	1	6
2827	18917	LKWF	1985	26	1	277	250	160	1	6
2828	18918	LKWF	1985	26	1	295	268	267	1	6
2829	18919	LKWF	1985	26	1	278	253	281	1	6
2830	18920	LKWF	1985	26	1	286	257	278	1	6
2831	18921	LKWF	1985	26	1	273	248	223	1	6
2832	18922	LKWF	1985	26	1	243	220	168	1	6
2833	18923	LKWF	1985	26	1	.	228	188	1	6
2834	18924	LKWF	1985	26	1	287	262	282	1	6
2835	18925	LKWF	1985	26	1	389	335	700	1	6
2836	18926	LKWF	1985	26	1	328	297	424	1	6
2837	18927	LKWF	1985	26	1	303	274	295	2	1
2838	18928	LKWF	1985	26	1	268	244	211	1	6
2839	18929	LKWF	1985	26	1	251	228	171	1	6
2840	18930	LKWF	1985	26	1	211	192	98	0	0
2841	18931	LKWF	1985	26	1	228	207	144	1	6
2842	18932	LKWF	1985	26	1	208	189	109	0	0
2843	18933	LKWF	1985	26	1	253	228	152	1	6
2844	18934	LKWF	1985	26	1	248	219	139	0	0
2845	18935	LKWF	1985	26	1	222	199	136	1	6
2846	18936	LKWF	1985	26	1	217	183	103	1	6
2847	18937	LKWF	1985	26	1	240	216	131	1	6
2848	18938	LKWF	1985	26	1	215	194	107	1	6
2849	18939	LKWF	1985	26	1	224	200	115	1	6
2850	18940	LKWF	1985	26	1	204	185	96	1	6
2851	18941	LKWF	1985	26	1	208	188	98	1	6
2852	18942	LKWF	1985	26	1	187	178	79	1	6
2853	18943	LKWF	1985	26	1	183	167	68	0	0
2854	18944	LKWF	1985	26	1	163	148	46	1	6
2855	18945	LKWF	1985	26	1	172	155	51	1	6
2856	18946	LKWF	1985	26	1	174	157	60	1	6
2857	18947	LKWF	1985	26	1	179	161	63	1	6
2858	18948	LKWF	1985	26	1	200	178	92	1	6
2859	18949	LKWF	1985	26	1	207	188	94	1	6
2860	18950	LKWF	1985	26	1	148	130	34	0	0

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2861	18951	LKWF	1985	26	1	.	175	84	1	6
2862	18952	LKWF	1985	26	1	176	159	64	1	6
2863	18953	LKWF	1985	26	1	187	168	78	0	0
2864	18954	LKWF	1985	26	1	173	156	57	0	0
2865	18955	LKWF	1985	26	1	182	165	74	1	6
2866	18956	LKWF	1985	26	1	176	157	62	1	6
2867	18957	LKWF	1985	26	1	160	148	42	1	6
2868	18958	LKWF	1985	26	1	157	139	38	0	0
2869	18959	BDWF	1985	45	1	506	467	2408	1	9
2870	18960	BDWF	1985	45	1	503	465	2495	2	4
2871	18961	BDWF	1985	46	1	471	428	1796	2	4
2872	18962	BDWF	1985	46	1	536	494	3014	2	4
2873	18963	BDWF	1985	46	1	524	478	2127	1	4
2874	18964	BDWF	1985	46	1	471	429	2027	1	9
2875	18965	BDWF	1985	46	1	453	418	1525	1	9
2876	18966	BDWF	1985	46	1	479	436	1872	2	4
2877	18967	BDWF	1985	46	1	455	418	1710	1	9
2878	18968	BDWF	1985	46	1	503	464	1957	1	9
2879	18969	BDWF	1985	46	1	471	432	1457	1	9
2880	18970	BDWF	1985	46	1	499	447	1800	1	9
2881	18971	BDWF	1985	46	1	501	462	1937	2	4
2882	18972	BDWF	1985	46	1	487	446	2232	2	4
2883	18973	BDWF	1985	46	1	478	436	1619	1	9
2884	18974	BDWF	1985	46	1	482	440	1807	2	4
2885	18975	BDWF	1985	46	1	520	469	2471	1	9
2886	18976	BDWF	1985	46	1	509	467	1957	1	9
2887	18977	BDWF	1985	46	1	482	440	1800	2	9
2888	18978	BDWF	1985	46	1	454	409	1344	2	4
2889	18979	BDWF	1985	46	1	441	400	1749	2	4
2890	18980	BDWF	1985	46	1	473	430	1779	1	9
2891	18981	BDWF	1985	46	1	475	438	1717	2	4
2892	18982	BDWF	1985	46	1	471	427	1788	2	4
2893	18983	BDWF	1985	46	1	514	469	2126	1	9
2894	18984	BDWF	1985	46	1	481	488	1677	2	4
2895	18985	BDWF	1985	46	1	503	461	2110	1	9
2896	18986	BDWF	1985	46	1	465	424	1591	1	9
2897	18987	BDWF	1985	46	1	552	512	2944	2	4
2898	18988	BDWF	1985	46	1	497	456	2019	2	4
2899	18989	BDWF	1985	46	1	493	452	2143	2	4
2900	18990	BDWF	1985	46	1	504	465	1802	1	6
2901	18991	BDWF	1985	46	1	461	421	1498	1	9
2902	18992	BDWF	1985	46	1	498	458	1803	2	4
2903	18993	BDWF	1985	46	1	484	439	2207	2	4
2904	18994	BDWF	1985	46	1	543	506	2854	2	4
2905	18995	BDWF	1985	46	1	502	454	1913	1	9
2906	18996	BDWF	1985	46	1	477	441	1916	2	4
2907	18997	BDWF	1985	46	1	470	430	1711	1	10
2908	18998	BDWF	1985	51	1	427	390	995	1	10
2909	18999	BDWF	1985	51	1	.	367	831	1	10
2910	19000	BDWF	1985	51	1	441	405	1044	1	10
2911	19001	LKWF	1985	55	2	.	353	883	.	.
2912	19002	LKWF	1985	55	2	399	361	878	.	.
2913	19003	LKWF	1985	55	2	434	397	1167	.	.
2914	19004	LKWF	1985	55	2	395	360	768	.	.
2915	19005	LKWF	1985	55	2	433	391	1096	.	.
2916	19006	LKWF	1985	55	2	432	387	1096	.	.
2917	19007	LKWF	1985	55	2	413	375	1174	.	.
2918	19008	LKWF	1985	55	2	419	379	968	.	.
2919	19009	LKWF	1985	55	2	404	383	971	.	.
2920	19010	LKWF	1985	55	2	418	382	1221	.	.
2921	19011	LKWF	1985	55	2	394	360	763	.	.
2922	19012	LKWF	1985	55	2	415	376	1016	.	.
2923	19013	LKWF	1985	55	2	395	354	896	.	.
2924	19014	LKWF	1985	55	2	413	374	1020	.	.
2925	19015	LKWF	1985	55	2	412	374	973	.	.
2926	19016	LKWF	1985	55	2	398	370	968	.	.
2927	19017	LKWF	1985	55	2	448	410	1460	.	.
2928	19018	LKWF	1985	55	2	.	381	1200	.	.
2929	19019	LKWF	1985	55	2	440	405	1451	.	.
2930	19020	LKWF	1985	55	2	432	393	1218	.	.
2931	19021	LKWF	1985	55	2	444	399	1422	.	.
2932	19022	LKWF	1985	55	2	415	385	1105	.	.
2933	19023	LKWF	1985	55	2	.	395	1139	.	.
2934	19024	LKWF	1985	55	2	407	385	1035	.	.
2935	19025	LKWF	1985	55	2	428	389	1168	.	.
2936	19026	LKWF	1985	55	2	422	384	1000	.	.
2937	19027	LKWF	1985	55	2	389	355	959	.	.
2938	19028	LKWF	1985	55	2	.	391	1204	.	.
2939	19029	LKWF	1985	55	2	430	388	1182	.	.
2940	19030	LKWF	1985	55	2	438	395	1061	.	.
2941	19031	LKWF	1985	55	2	421	390	1149	.	.
2942	19032	LKWF	1985	55	2	402	358	971	.	.
2943	19033	LKWF	1985	55	2	414	377	1201	.	.
2944	19034	LKWF	1985	55	2	432	389	1073	.	.
2945	19035	LKWF	1985	55	2	457	419	1545	.	.
2946	19036	LKWF	1985	55	2	433	404	1233	.	.
2947	19037	LKWF	1985	55	2	400	362	968	.	.
2948	19038	LKWF	1985	55	2	418	380	1020	.	.
2949	19039	LKWF	1985	55	2	.	418	1484	.	.
2950	19040	LKWF	1985	55	2	425	393	1171	.	.
2951	19041	LKWF	1985	55	2	503	460	2099	.	.
2952	19042	LKWF	1985	55	2	.	434	1562	.	.
2953	19043	LKWF	1985	55	2	405	365	995	.	.
2954	19044	LKWF	1985	55	2	393	353	932	.	.
2955	19045	LKWF	1985	55	2	439	404	1181	.	.
2956	19046	LKWF	1985	55	2	413	378	1016	.	.
2957	19047	LKWF	1985	55	2	452	407	1608	.	.
2958	19048	LKWF	1985	55	2	424	384	1255	.	.
2959	19049	LKWF	1985	55	2	407	367	974	.	.
2960	19050	LKWF	1985	55	2	440	403	1408	.	.
2961	21501	BDWF	1985	51	1	427	387	980	2	5
2962	21502	BDWF	1985	51	1	434	400	1252	2	4
2963	21503	BDWF	1985	51	1	416	378	1052	2	4
2964	21504	BDWF	1985	51	1	437	393	1228	2	4
2965	21505	BDWF	1985	51	1	426	388	1130	2	4
2966	21506	BDWF	1985	51	1	402	367	1055	2	4
2967	21507	BDWF	1985	51	1	422	385	934	2	5
2968	21508	BDWF	1985	51	1	407	371	950	2	4
2969	21509	BDWF	1985	51	1	.	403	1081	1	9
2970	21510	BDWF	1985	51	1	384	355	808	2	5

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
2971	21511	BDWF	1985	51	1	455	407	1172	1	9
2972	21512	BDWF	1985	51	1	438	403	1152	2	4
2973	21513	BDWF	1985	51	1	424	387	1137	2	4
2974	21514	BDWF	1985	51	1	457	425	1357	2	4
2975	21515	BDWF	1985	51	1	406	371	930	1	9
2976	21516	BDWF	1985	51	1	400	364	747	1	10
2977	21517	BDWF	1985	51	1	411	372	880	1	9
2978	21518	BDWF	1985	51	1	417	384	1071	2	4
2979	21519	BDWF	1985	51	1	415	382	1013	2	4
2980	21520	BDWF	1985	51	1	414	376	959	2	4
2981	21521	BDWF	1985	51	1	439	409	1043	1	9
2982	21522	BDWF	1985	51	1	422	386	991	1	10
2983	21523	BDWF	1985	51	1	404	372	1040	1	10
2984	21524	BDWF	1985	51	1	448	412	1160	1	10
2985	21525	BDWF	1985	51	1	443	403	1117	1	9
2986	21526	BDWF	1985	51	1	447	414	1168	1	9
2987	21527	BDWF	1985	51	1	439	401	1216	1	9
2988	21528	BDWF	1985	51	1	399	365	827	1	10
2989	21529	BDWF	1985	51	1	434	398	1244	1	9
2990	21530	BDWF	1985	51	1	419	378	962	2	4
2991	21531	BDWF	1985	51	1	417	376	816	1	10
2992	21532	BDWF	1985	51	1	390	356	765	1	9
2993	21533	BDWF	1985	51	1	426	386	922	1	9
2994	21534	BDWF	1985	51	1	432	396	1303	1	9
2995	21535	BDWF	1985	51	1	409	376	970	1	9
2996	21536	BDWF	1985	51	1	446	408	1147	1	9
2997	21537	BDWF	1985	51	1	438	398	1136	1	9
2998	21538	BDWF	1985	51	1	395	366	836	1	9
2999	21539	BDWF	1985	51	1	413	378	954	1	9
3000	21540	BDWF	1985	51	1	411	378	1036	1	9
3001	21541	BDWF	1985	51	1	437	402	1066	2	5
3002	21542	BDWF	1985	51	1	.	361	895	2	4
3003	21543	BDWF	1985	51	1	446	409	1241	2	4
3004	21544	BDWF	1985	51	1	433	400	1147	2	4
3005	21545	BDWF	1985	51	1	409	377	935	1	10
3006	21546	BDWF	1985	51	1	.	368	838	2	5
3007	21547	BDWF	1985	51	1	409	379	868	1	9
3008	21548	BDWF	1985	46	1	459	413	1577	1	9
3009	21549	BDWF	1985	46	1	.	.	2133	2	4
3010	21550	BDWF	1985	46	1	506	460	1963	1	9
3011	21551	BDWF	1985	46	1	444	408	1723	1	9
3012	21552	BDWF	1985	46	1	441	400	1468	2	4
3013	21553	BDWF	1985	46	1	514	467	2162	2	4
3014	21554	BDWF	1985	46	1	503	455	2460	1	9
3015	21555	BDWF	1985	46	1	478	425	1665	2	4
3016	21556	BDWF	1985	46	1	479	432	1708	1	10
3017	21557	BDWF	1985	52	1	305	272	291	1	6
3018	21558	BDWF	1985	52	1	309	278	333	1	6
3019	21559	BDWF	1985	52	1	322	294	386	1	6
3020	21560	BDWF	1985	52	1	296	266	291	1	6
3021	21561	BDWF	1985	52	1	.	281	330	1	6
3022	21562	BDWF	1985	52	1	.	306	398	2	1
3023	21563	BDWF	1985	52	1	337	310	436	2	1
3024	21564	BDWF	1985	52	1	312	284	361	2	1
3025	21565	BDWF	1985	52	1	.	272	336	1	6
3026	21566	BDWF	1985	52	1	310	283	330	2	1
3027	21567	BDWF	1985	52	1	.	302	428	1	6
3028	21568	BDWF	1985	52	1	346	318	529	1	6
3029	21569	BDWF	1985	52	1	.	288	321	1	6
3030	21570	BDWF	1985	52	1	340	310	437	2	1
3031	21571	BDWF	1985	52	1	310	286	341	1	6
3032	21572	BDWF	1985	52	1	364	334	574	1	6
3033	21573	BDWF	1985	52	1	.	271	331	2	1
3034	21574	BDWF	1985	52	1	.	279	345	1	6
3035	21575	BDWF	1985	52	1	.	293	366	1	6
3036	21576	BDWF	1985	52	1	308	284	328	2	1
3037	21577	BDWF	1985	52	1	.	259	285	1	6
3038	21578	BDWF	1985	52	1	.	279	389	2	1
3039	21579	BDWF	1985	52	1	353	328	496	1	6
3040	21580	BDWF	1985	52	1	356	324	534	2	2
3041	21581	BDWF	1985	52	1	322	294	391	2	1
3042	21582	BDWF	1985	52	1	.	269	295	2	1
3043	21583	BDWF	1985	52	1	.	287	352	2	1
3044	21584	LKWF	1985	52	1	299	274	301	1	6
3045	21585	LKWF	1985	52	1	317	291	348	1	6
3046	21586	LKWF	1985	52	1	384	349	617	1	7
3047	21587	LKWF	1985	52	1	311	294	391	2	1
3048	21588	LKWF	1985	52	1	300	277	339	1	7
3049	21589	LKWF	1985	52	1	.	288	384	1	6
3050	21590	LKWF	1985	52	1	298	272	301	1	6
3051	21591	LKWF	1985	52	1	319	297	343	2	1
3052	21592	LKWF	1985	52	1	303	278	327	2	1
3053	21593	LKWF	1985	52	1	291	271	283	2	1
3054	21594	LKWF	1985	52	1	.	291	373	1	6
3055	21595	LKWF	1985	52	1	393	362	674	2	2
3056	21596	LKWF	1985	52	1	.	355	693	2	1
3057	21597	LKWF	1985	52	1	358	338	585	1	6
3058	21598	LKWF	1985	52	1	303	279	308	2	1
3059	21599	LKWF	1985	52	1	311	288	329	1	6
3060	21600	LKWF	1985	52	1	322	296	383	1	6
3061	21601	LKWF	1985	52	1	309	285	309	2	1
3062	21602	LKWF	1985	52	1	305	282	312	2	1
3063	21603	LKWF	1985	52	1	.	302	403	1	6
3064	21604	LKWF	1985	52	1	.	281	318	2	1
3065	21605	LKWF	1985	52	1	380	345	587	2	2
3066	21606	LKWF	1985	52	1	330	308	404	1	6
3067	21607	LKWF	1985	52	1	.	277	300	1	6
3068	21608	LKWF	1985	52	1	304	282	311	1	6
3069	21609	LKWF	1985	52	1	284	263	285	1	6
3070	21610	BDWF	1985	46	1	482	443	1668	1	9
3071	21611	LKWF	1985	46	1	482	443	789	1	9
3072	21612	LKWF	1985	46	1	328	290	511	1	9
3073	21613	LKWF	1985	46	1	377	342	695	1	9
3074	21614	LKWF	1985	46	1	386	354	726	1	9
3075	21615	LKWF	1985	46	1	391	352	875	1	9
3076	21616	LKWF	1985	46	1	354	312	648	1	9
3077	21617	LKWF	1985	46	1	387	341	714	1	9
3078	21618	LKWF	1985	46	1	434	392	1388	2	4
3079	21619	LKWF	1985	46	1	345	310	581	1	9
3080	21620	LKWF	1985	46	1	381	343	654	1	10

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3081	21621	LKWF	1985	46	1	361	327	695	1	8
3082	21622	LKWF	1985	46	1	366	334	642	1	9
3083	21623	LKWF	1985	46	1	382	351	879	1	9
3084	21624	LKWF	1985	46	1	421	377	1274	2	4
3085	21625	LKWF	1985	46	1	451	412	1325	1	9
3086	21626	LKWF	1985	46	1	395	360	992	2	4
3087	21627	LKWF	1985	46	1	415	375	1211	2	4
3088	21628	LKWF	1985	46	1	381	335	776	1	9
3089	21629	LKWF	1985	46	1	380	342	741	2	1
3090	21630	LKWF	1985	46	1	392	352	894	1	9
3091	21631	LKWF	1985	46	1	415	371	954	1	9
3092	21632	LKWF	1985	46	1	434	389	1109	1	9
3093	21633	LKWF	1985	46	1	439	401	1319	1	9
3094	21634	LKWF	1985	46	1	385	347	762	1	8
3095	21635	LKWF	1985	46	1	416	378	1087	1	9
3096	21636	LKWF	1985	46	1	439	396	1224	2	4
3097	21637	LKWF	1985	46	1	410	372	942	1	9
3098	21638	LKWF	1985	46	1	368	332	641	1	9
3099	21639	LKWF	1985	46	1	392	353	817	2	3
3100	21640	LKWF	1985	46	1	414	374	1130	2	4
3101	21641	LKWF	1985	46	1	.	250	200	1	6
3102	21642	LKWF	1985	46	1	437	400	1067	1	9
3103	21643	LKWF	1985	46	1	425	380	1059	2	3
3104	21644	LKWF	1985	46	1	382	349	779	1	9
3105	21645	LKWF	1985	46	1	439	397	1111	2	4
3106	21646	LKWF	1985	46	1	406	356	712	1	9
3107	21647	LKWF	1985	46	1	381	345	833	1	9
3108	21648	LKWF	1985	46	1	419	378	1046	1	9
3109	21649	LKWF	1985	46	1	300	270	363	1	6
3110	21650	LKWF	1985	46	1	.	235	248	2	1
3111	21651	LKWF	1985	47	1	376	338	754	1	10
3112	21652	LKWF	1985	47	1	415	376	1139	1	10
3113	21653	LKWF	1985	47	1	415	378	1006	2	4
3114	21654	LKWF	1985	47	1	407	368	1141	2	4
3115	21655	LKWF	1985	47	1	421	382	1279	2	4
3116	21656	LKWF	1985	47	1	417	380	988	1	10
3117	21657	LKWF	1985	47	1	360	324	680	1	7
3118	21658	LKWF	1985	47	1	360	326	730	1	10
3119	21659	LKWF	1985	47	1	372	338	855	2	4
3120	21660	LKWF	1985	47	1	424	387	1108	2	5
3121	21661	LKWF	1985	47	1	462	420	1538	1	10
3122	21662	LKWF	1985	47	1	394	355	843	1	10
3123	21663	LKWF	1985	47	1	380	344	841	2	4
3124	21664	LKWF	1985	47	1	388	350	1001	2	4
3125	21665	LKWF	1985	47	1	400	359	926	2	4
3126	21666	LKWF	1985	47	1	445	407	1335	2	4
3127	21667	LKWF	1985	47	1	372	337	763	1	9
3128	21668	LKWF	1985	47	1	372	334	748	1	9
3129	21669	LKWF	1985	47	1	405	368	946	1	9
3130	21670	LKWF	1985	47	1	391	355	1076	2	4
3131	21671	LKWF	1985	47	1	349	314	587	2	4
3132	21672	LKWF	1985	47	1	399	359	1053	2	4
3133	21673	LKWF	1985	47	1	468	430	1450	1	9
3134	21674	LKWF	1985	47	1	454	411	1591	2	4
3135	21675	LKWF	1985	47	1	442	387	1059	1	9
3136	21676	LKWF	1985	47	1	387	348	930	2	5
3137	21677	LKWF	1985	47	1	387	350	810	2	5
3138	21678	LKWF	1985	47	1	404	360	1112	2	4
3139	21679	LKWF	1985	47	1	377	340	722	1	9
3140	21680	LKWF	1985	47	1	334	301	507	1	9
3141	21681	LKWF	1985	46	1	416	373	1141	2	4
3142	21682	LKWF	1985	46	1	429	384	1394	2	4
3143	21683	LKWF	1985	46	1	379	337	758	1	7
3144	21684	LKWF	1985	46	1	451	409	1419	2	4
3145	21685	LKWF	1985	46	1	442	398	1401	2	4
3146	21686	LKWF	1985	46	1	401	368	893	2	4
3147	21687	LKWF	1985	46	1	419	380	971	1	9
3148	21688	LKWF	1985	46	1	433	387	1276	1	10
3149	21689	LKWF	1985	46	1	418	381	1065	2	4
3150	21690	LKWF	1985	46	1	423	375	1192	2	4
3151	21691	LKWF	1985	46	1	380	345	858	1	10
3152	21692	LKWF	1985	47	1	337	305	582	1	10
3153	21693	LKWF	1985	47	1	388	355	980	2	4
3154	21694	LKWF	1985	47	1	400	365	879	1	10
3155	21695	LKWF	1985	47	1	439	400	1120	1	9
3156	21696	LKWF	1985	47	1	393	355	829	1	10
3157	21697	LKWF	1985	47	1	388	354	927	2	4
3158	21698	LKWF	1985	47	1	364	328	669	1	10
3159	21699	LKWF	1985	47	1	432	398	1349	2	4
3160	21700	LKWF	1985	47	1	370	337	740	2	4
3161	21701	LKWF	1985	47	1	390	358	806	1	9
3162	21702	LKWF	1985	47	1	338	310	550	1	10
3163	21703	LKWF	1985	47	1	372	332	693	1	9
3164	21704	LKWF	1985	47	1	391	353	727	2	5
3165	21705	LKWF	1985	50	1	435	396	1024	2	2
3166	21706	LKWF	1985	50	1	417	383	1228	2	2
3167	21707	LKWF	1985	50	1	451	410	1294	2	2
3168	21708	LKWF	1985	50	1	426	389	1137	2	2
3169	21709	LKWF	1985	50	1	410	378	919	2	2
3170	21710	LKWF	1985	50	1	506	464	1842	2	2
3171	21711	LKWF	1985	50	1	491	450	1980	2	2
3172	21712	LKWF	1985	50	1	498	361	922	2	2
3173	21713	LKWF	1985	50	1	414	384	1116	2	2
3174	21714	LKWF	1985	50	1	.	416	1454	2	2
3175	21715	LKWF	1985	50	1	385	351	872	2	2
3176	21716	LKWF	1985	50	1	.	442	1550	2	2
3177	21717	LKWF	1985	50	1	471	430	1639	2	2
3178	21718	LKWF	1985	50	1	484	444	1639	2	2
3179	21719	LKWF	1985	50	1	409	376	972	2	2
3180	21720	LKWF	1985	50	1	.	392	1270	2	2
3181	21721	LKWF	1985	50	1	401	368	957	2	2
3182	21722	LKWF	1985	50	1	438	404	1328	2	2
3183	21723	LKWF	1985	50	1	431	394	1197	2	2
3184	21724	LKWF	1985	50	1	438	398	1368	2	2
3185	21725	LKWF	1985	50	1	447	407	1470	2	2
3186	21726	LKWF	1985	50	1	425	387	1041	2	2
3187	21727	LKWF	1985	50	1	450	401	1342	2	2
3188	21728	LKWF	1985	50	1	380	348	942	2	1
3189	21729	LKWF	1985	50	1	443	405	1371	2	2
3190	21730	LKWF	1985	50	1	.	389	1122	2	1

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3191	21731	LKWF	1985	50	1	438	401	1360	2	1
3192	21732	LKWF	1985	50	1	465	417	1535	2	2
3193	21733	LKWF	1985	50	1	447	410	1331	2	2
3194	21734	LKWF	1985	50	1	437	397	1364	2	2
3195	21735	LKWF	1985	50	1	475	436	1782	2	2
3196	21736	LKWF	1985	50	1	468	420	1634	2	2
3197	21737	LKWF	1985	50	1	485	446	1433	2	2
3198	21738	LKWF	1985	50	1	442	409	1148	2	3
3199	21739	LKWF	1985	50	1	445	403	1135	1	6
3200	21740	LKWF	1985	50	1	396	358	1104	2	2
3201	21741	LKWF	1985	50	1	394	356	934	1	6
3202	21742	LKWF	1985	50	1	.	385	1190	2	2
3203	21743	LKWF	1985	50	1	427	389	1309	2	2
3204	21744	LKWF	1985	50	1	431	392	1442	2	2
3205	21745	LKWF	1985	50	1	416	370	1086	2	2
3206	21746	LKWF	1985	50	1	456	411	1661	2	2
3207	21747	LKWF	1985	50	1	408	369	1052	2	2
3208	21748	LKWF	1985	50	1	405	361	1122	2	2
3209	21749	LKWF	1985	50	1	374	337	870	2	2
3210	21750	LKWF	1985	50	1	495	450	2164	2	2
3211	21751	LKWF	1985	50	1	453	423	1452	2	2
3212	21752	LKWF	1985	50	1	470	432	1685	2	2
3213	21753	LKWF	1985	50	1	467	418	1780	2	2
3214	21754	LKWF	1985	50	1	442	401	1408	2	2
3215	21755	LKWF	1985	48	1	258	228	245	1	6
3216	21756	LKWF	1985	48	1	243	215	191	1	6
3217	21757	LKWF	1985	48	1	303	270	440	2	1
3218	21758	LKWF	1985	48	1	297	269	357	1	6
3219	21759	LKWF	1985	48	1	249	223	194	1	6
3220	21760	LKWF	1985	48	1	258	230	220	1	6
3221	21761	LKWF	1985	48	1	277	252	255	2	1
3222	21762	LKWF	1985	48	1	262	233	230	2	1
3223	21763	LKWF	1985	48	1	271	248	229	1	6
3224	21764	LKWF	1985	48	1	283	256	250	.	.
3225	21765	LKWF	1985	48	1	271	244	235	.	.
3226	21766	LKWF	1985	48	1	288	260	297	2	1
3227	21767	LKWF	1985	48	1	302	278	322	2	1
3228	21768	LKWF	1985	48	1	294	262	344	0	0
3229	21769	LKWF	1985	48	1	301	274	351	2	1
3230	21770	LKWF	1985	48	1	314	285	348	1	6
3231	21771	LKWF	1985	48	1	325	291	396	2	1
3232	21772	LKWF	1985	48	1	310	280	431	2	1
3233	21773	LKWF	1985	48	1	287	262	269	.	.
3234	21774	LKWF	1985	48	1	270	248	257	.	.
3235	21775	LKWF	1985	48	1	279	255	240	2	1
3236	21776	LKWF	1985	48	1	284	261	319	2	1
3237	21777	LKWF	1985	48	1	313	283	435	.	.
3238	21778	LKWF	1985	48	1	350	285	435	.	.
3239	21779	LKWF	1985	48	1	304	274	399	.	.
3240	21780	LKWF	1985	48	1	370	336	762	2	1
3241	21781	LKWF	1985	48	1	388	353	858	2	4
3242	21782	LKWF	1985	45	1	320	288	500	2	1
3243	21783	LKWF	1985	49	1	334	301	483	2	3
3244	21784	LKWF	1985	49	1	357	321	615	1	8
3245	21785	LKWF	1985	49	1	335	303	475	1	8
3246	21786	LKWF	1985	49	1	325	293	402	1	8
3247	21787	LKWF	1985	49	1	327	299	456	1	8
3248	21788	LKWF	1985	49	1	387	353	732	2	3
3249	21789	LKWF	1985	49	1	310	278	256	1	8
3250	21790	LKWF	1985	49	1	321	289	487	2	3
3251	21791	LKWF	1985	49	1	322	292	407	1	8
3252	21792	LKWF	1985	49	1	323	294	356	1	8
3253	21793	LKWF	1985	49	1	362	328	734	1	8
3254	21794	LKWF	1985	49	1	357	326	624	1	8
3255	21795	LKWF	1985	49	1	371	337	838	1	8
3256	21796	LKWF	1985	49	1	373	331	822	2	3
3257	21797	LKWF	1985	49	1	352	318	823	1	8
3258	21798	LKWF	1985	49	1	338	307	532	1	8
3259	21799	LKWF	1985	49	1	357	325	738	2	3
3260	21800	LKWF	1985	49	1	363	329	812	1	8
3261	21801	LKWF	1985	49	1	320	289	514	1	8
3262	21802	LKWF	1985	49	1	435	394	1114	2	3
3263	21803	LKWF	1985	38	1	.	395	1373	2	3
3264	21804	LKWF	1985	38	1	436	392	1468	1	9
3265	21805	LKWF	1985	38	1	449	402	1400	1	9
3266	21806	LKWF	1985	38	1	478	440	1834	2	4
3267	21807	LKWF	1985	38	1	418	376	1417	1	9
3268	21808	LKWF	1985	38	1	444	402	1404	2	3
3269	21809	LKWF	1985	38	1	458	414	1425	2	4
3270	21810	LKWF	1985	38	1	.	429	1815	2	4
3271	21811	LKWF	1985	38	1	460	422	1551	1	9
3272	21812	LKWF	1985	38	1	467	436	1387	1	9
3273	21813	LKWF	1985	38	1	425	382	1107	1	9
3274	21814	LKWF	1985	38	1	421	384	1141	1	9
3275	21815	LKWF	1985	38	1	426	387	1086	2	3
3276	21816	LKWF	1985	42	1	383	349	676	1	10
3277	21817	LKWF	1985	42	1	415	382	740	2	1
3278	21818	LKWF	1985	42	1	450	411	1231	1	10
3279	21819	LKWF	1985	42	1	411	377	747	2	1
3280	21820	LKWF	1985	42	1	432	391	928	1	10
3281	21821	LKWF	1985	42	1	445	409	986	1	6
3282	21822	LKWF	1985	42	1	444	408	838	1	7
3283	21823	LKWF	1985	41	1	.	357	991	2	4
3284	21824	LKWF	1985	42	1	.	248	631	1	6
3285	21825	LKWF	1985	42	1	314	287	314	1	6
3286	21826	LKWF	1985	42	1	323	295	401	1	6
3287	21827	LKWF	1985	42	1	362	321	507	1	6
3288	21828	LKWF	1985	42	1	396	361	690	1	10
3289	21829	LKWF	1985	42	1	442	405	1041	1	9
3290	21830	LKWF	1985	42	1	332	302	381	1	6
3291	21831	LKWF	1985	42	1	460	420	1160	1	10
3292	21832	LKWF	1985	42	1	448	404	1111	1	9
3293	21833	LKWF	1985	42	1	455	412	1096	1	9
3294	21834	LKWF	1985	42	1	413	377	732	1	6
3295	21835	LKWF	1985	42	1	389	356	787	1	9
3296	21836	LKWF	1985	42	1	435	397	1085	2	4
3297	21837	LKWF	1985	42	1	448	409	1176	2	10
3298	21838	LKWF	1985	42	1	380	348	653	2	3
3299	21839	LKWF	1985	42	1	397	368	814	1	6
3300	21840	LKWF	1985	42	1	452	417	1125	1	9

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3301	21841	LKWF	1985	42	1	441	398	972	1	9
3302	21842	LKWF	1985	42	1	393	361	820	2	2
3303	21843	LKWF	1985	42	1		308	444	1	6
3304	21844	LKWF	1985	42	1	468	429	1336	1	10
3305	21845	LKWF	1985	42	1	455	416	1060	1	9
3306	21846	LKWF	1985	42	1	402	366	868	1	7
3307	21847	LKWF	1985	42	1	459	418	943	1	10
3308	21848	LKWF	1985	42	1	408	373	741	1	10
3309	21849	LKWF	1985	42	1	428	391	883	1	9
3310	21850	LKWF	1985	42	1	393	359	896	1	10
3311	21851	LKWF	1985	42	1	428	389	703	2	2
3312	21852	LKWF	1985	42	1	435	398	888	2	2
3313	21853	LKWF	1985	42	1	382	346	647	1	9
3314	21854	LKWF	1985	42	1	385	350	679	1	9
3315	21855	LKWF	1985	42	1	352	317	518	1	9
3316	21856	LKWF	1985	42	1	395	365	822	1	7
3317	21857	LKWF	1985	42	1	430	394	982	1	9
3318	21858	LKWF	1985	42	1	368	338	592	1	6
3319	21859	LKWF	1985	42	1	434	395	1008	1	9
3320	21860	LKWF	1985	38	1	455	406	1470	2	3
3321	21861	LKWF	1985	38	1	451	405	1415	1	9
3322	21862	LKWF	1985	38	1	453	415	1486	1	10
3323	21863	LKWF	1985	38	1	455	410	1732	2	3
3324	21864	LKWF	1985	38	1	434	388	1482	2	4
3325	21865	LKWF	1985	38	1	487	445	1642	1	9
3326	21866	LKWF	1985	38	1	475	433	1473	1	9
3327	21867	LKWF	1985	38	1	475	427	1635	1	9
3328	21868	LKWF	1985	38	1	426	387	1258	2	4
3329	21869	LKWF	1985	38	1	477	430	1494	1	10
3330	21870	LKWF	1985	38	1	424	383	1294	2	4
3331	21871	LKWF	1985	40	1	424	385	1012	1	9
3332	21872	LKWF	1985	40	1	.	449	1393	2	5
3333	21873	LKWF	1985	40	1	416	378	1099	1	9
3334	21874	LKWF	1985	40	1	.	408	1067	2	5
3335	21875	LKWF	1985	40	1	405	368	884	1	9
3336	21876	LKWF	1985	40	1	428	386	1002	1	9
3337	21877	LKWF	1985	40	1	428	388	951	1	9
3338	21878	LKWF	1985	40	1	438	400	1103	1	9
3339	21879	LKWF	1985	40	1	422	382	979	1	10
3340	21880	LKWF	1985	40	1	422	386	1105	1	9
3341	21881	LKWF	1985	40	1	410	370	919	1	9
3342	21882	LKWF	1985	40	1	420	384	1030	1	10
3343	21883	LKWF	1985	40	1	446	407	1255	1	10
3344	21884	LKWF	1985	40	1	393	358	712	2	5
3345	21885	LKWF	1985	40	1	398	367	881	1	9
3346	21886	LKWF	1985	40	1	432	394	1092	1	9
3347	21887	LKWF	1985	40	1	.	385	1056	1	9
3348	21888	LKWF	1985	40	1	415	375	935	2	5
3349	21889	LKWF	1985	38	1	348	384	733	1	6
3350	21890	LKWF	1985	38	1	.	382	1173	2	5
3351	21891	LKWF	1985	38	1	428	387	1102	2	2
3352	21892	LKWF	1985	38	1	259	233	224	2	1
3353	21893	LKWF	1985	36	1	357	326	592	1	6
3354	21894	LKWF	1985	36	1	528	475	2181	2	5
3355	21895	LKWF	1985	36	1	370	338	707	2	1
3356	21896	LKWF	1985	38	1	585	518	2839	2	5
3357	21897	LKWF	1985	36	1	291	260	270	2	1
3358	21898	LKWF	1985	40	1	409	373	881	1	10
3359	21899	LKWF	1985	40	1	470	430	1671	1	10
3360	21900	LKWF	1985	40	1	394	359	732	2	2
3361	21901	LKWF	1985	40	1	430	390	1145	2	5
3362	21902	LKWF	1985	40	1	432	398	1059	1	10
3363	21903	LKWF	1985	40	1	404	368	1000	2	5
3364	21904	LKWF	1985	40	1	.	359	888	1	10
3365	21905	LKWF	1985	40	1	414	372	866	2	5
3366	21906	LKWF	1985	40	1	.	383	981	1	10
3367	21907	LKWF	1985	37	1	278	250	259	1	6
3368	21908	LKWF	1985	38	1	487	442	1775	2	4
3369	21909	LKWF	1985	38	1	465	423	1633	2	4
3370	21910	LKWF	1985	40	1	414	374	819	2	5
3371	21911	LKWF	1985	40	1	.	388	1084	1	10
3372	21912	LKWF	1985	40	1	420	384	1010	1	10
3373	21913	LKWF	1985	40	1	391	356	815	1	9
3374	21914	LKWF	1985	40	1	430	395	960	2	5
3375	21915	LKWF	1985	40	1	391	362	791	1	8
3376	21916	LKWF	1985	40	1	461	422	1429	1	9
3377	21917	LKWF	1985	40	1	434	396	1066	1	9
3378	21918	LKWF	1985	40	1	.	402	1308	2	3
3379	21919	LKWF	1985	40	1	418	376	772	2	2
3380	21920	LKWF	1985	40	1	420	384	988	1	.
3381	21921	LKWF	1985	40	1	.	365	854	2	2
3382	21922	LKWF	1985	40	1	434	397	979	1	10
3383	21923	LKWF	1985	40	1	428	392	965	2	5
3384	21924	LKWF	1985	40	1	.	381	1057	2	2
3385	21925	BDWF	1985	40	1	467	432	1310	2	4
3386	21926	LKWF	1985	40	1	430	389	1045	1	10
3387	21927	LKWF	1985	40	1	423	380	871	2	5
3388	21928	LKWF	1985	40	1	430	387	980	2	5
3389	21929	LKWF	1985	40	1	400	369	816	1	10
3390	21930	LKWF	1985	40	1	454	414	1112	2	5
3391	21931	LKWF	1985	40	1	431	391	975	2	4
3392	21932	LKWF	1985	40	1	460	425	1132	2	5
3393	21933	ARCS	1986	57	1	248	223	143	1	6
3394	21934	ARCS	1986	56	1	174	156	48	0	0
3395	21935	ARCS	1986	56	1	217	194	154	2	1
3396	21936	ARCS	1986	56	1	287	262	222	2	1
3397	21937	ARCS	1986	57	1	259	235	162	2	1
3398	21938	ARCS	1986	57	1	323	297	330	1	6
3399	21939	ARCS	1986	57	1	332	304	358	2	1
3400	21940	ARCS	1986	57	1	341	315	453	2	3
3401	21941	ARCS	1986	56	1	316	291	313	1	6
3402	21942	ARCS	1986	57	1	330	300	355	2	1
3403	21943	ARCS	1986	56	1	315	286	318	1	6
3404	21944	ARCS	1986	56	1	360	325	529	1	7
3405	21945	ARCS	1986	56	1	.	.	.	2	2
3406	21946	ARCS	1986	56	1	.	.	.	2	.
3407	21947	ARCS	1986	56	1	333	307	377	1	6
3408	21948	ARCS	1986	56	1	322	294	389	1	6
3409	21949	ARCS	1986	56	1	314	276	265	2	1
3410	21950	ARCS	1986	56	1	328	300	393	2	2

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3411	21951	ARCS	1986	56	1	328	295	394	2	2
3412	21952	ARCS	1986	56	1	273	247	199	1	6
3413	21953	ARCS	1986	56	1	.	.	.	1	6
3414	21954	ARCS	1986	56	1	.	.	373	1	6
3415	21955	ARCS	1986	57	1	.	161	52	0	0
3416	21956	ARCS	1986	57	1	260	237	168	2	1
3417	21957	ARCS	1986	57	1	342	309	387	2	2
3418	21958	LSCS	1986	56	1	198	181	64	1	6
3419	21959	LSCS	1986	57	1	165	150	41	2	1
3420	21960	LSCS	1986	57	1	202	182	66	1	6
3421	21961	INCO	1986	57	1	388	357	498	1	6
3422	21962	INCO	1986	57	1	356	323	430	1	6
3423	21964	INCO	1986	56	1	656	607	2386	2	1
3424	21965	INCO	1986	58	1	575	533	1791	2	1
3425	21966	INCO	1986	56	1	745	690	4270	2	3
3426	21967	INCO	1986	56	1	695	641	3284	1	7
3427	21968	INCO	1986	56	1	637	583	3203	2	1
3428	21969	INCO	1986	57	1	615	565	2141	2	1
3429	21970	INCO	1986	57	1	592	542	1982	2	1
3430	21971	LSCS	1985	46	1	316	279	437	2	4
3431	21972	LSCS	1985	46	1	285	252	285	2	1
3432	21973	LSCS	1985	46	1	270	237	207	1	7
3433	21974	LSCS	1985	46	1	267	236	249	2	1
3434	21975	LSCS	1985	46	1	334	301	529	2	4
3435	21976	LSCS	1985	46	1	310	280	405	1	8
3436	21977	LSCS	1985	46	1	277	246	265	1	8
3437	21978	LSCS	1985	47	1	348	319	646	2	4
3438	21979	LSCS	1985	47	1	255	228	227	1	8
3439	21980	LSCS	1985	47	1	297	270	326	1	8
3440	21981	LSCS	1985	47	1	335	303	489	2	4
3441	21982	LSCS	1985	47	1	315	288	476	2	4
3442	21983	LSCS	1985	47	1	324	297	397	1	7
3443	21984	LSCS	1985	47	1	299	269	359	2	4
3444	21985	LSCS	1985	47	1	281	255	257	1	8
3445	21986	LSCS	1985	47	1	292	266	343	1	8
3446	21987	LSCS	1985	47	1	283	255	297	2	4
3447	21988	LSCS	1985	47	1	339	302	585	2	4
3448	21989	LSCS	1985	47	1	331	300	513	1	9
3449	21990	LSCS	1985	47	1	400	360	849	2	4
3450	21991	LSCS	1985	47	1	363	329	733	2	4
3451	21992	LSCS	1985	47	1	320	288	400	2	11
3452	21993	LSCS	1985	47	1	313	285	387	1	7
3453	21994	LSCS	1985	47	1	314	282	404	2	11
3454	21995	LSCS	1985	47	1	294	267	354	1	8
3455	21996	LSCS	1985	47	1	312	280	391	1	7
3456	21997	LSCS	1985	47	1	328	295	570	2	4
3457	21998	LSCS	1985	47	1	291	263	345	2	4
3458	21999	LSCS	1985	47	1	298	265	321	1	8
3459	22000	LSCS	1985	47	1	325	298	534	2	4
3460	22001	LSCS	1985	47	1	335	310	693	2	4
3461	22002	LSCS	1985	47	1	339	302	528	2	1
3462	22003	LSCS	1985	47	1	331	298	660	2	4
3463	22004	LSCS	1985	47	1	311	281	415	1	8
3464	22005	BDWF	1986	69	1	488	451	2183	2	3
3465	22006	BDWF	1986	69	1	500	452	2387	1	8
3466	22007	BDWF	1986	69	1	.	440	2008	2	3
3467	22008	BDWF	1986	69	1	481	441	1596	2	3
3468	22009	BDWF	1986	69	1	515	476	2585	1	8
3469	22010	BDWF	1986	69	1	511	477	2222	2	3
3470	22011	BDWF	1986	69	1	474	431	1767	1	9
3471	22012	BDWF	1986	69	1	497	460	2377	2	3
3472	22013	BDWF	1986	69	1	462	422	1686	1	8
3473	22014	BDWF	1986	69	1	514	474	2696	2	3
3474	22015	BDWF	1986	69	1	517	475	2119	1	8
3475	22016	BDWF	1986	69	1	484	422	1525	2	1
3476	22017	BDWF	1986	69	1	493	445	1884	1	8
3477	22018	BDWF	1986	69	1	483	444	1838	2	3
3478	22020	BDWF	1986	69	1	497	449	1744	1	9
3479	22021	BDWF	1986	69	1	421	382	1287	2	4
3480	22022	BDWF	1986	69	1	517	475	2330	1	8
3481	22023	BDWF	1986	69	1	486	446	1593	2	3
3482	22024	BDWF	1986	69	1	512	474	2047	1	8
3483	22025	BDWF	1986	69	1	493	454	1861	2	3
3484	22026	BDWF	1986	69	1	512	472	2151	2	4
3485	22027	BDWF	1986	69	1	513	465	2140	1	9
3486	22028	BDWF	1986	69	1	478	439	1673	1	9
3487	22029	BDWF	1986	69	1	480	440	1471	2	1
3488	22030	BDWF	1986	69	1	500	459	2161	1	8
3489	22031	BDWF	1986	69	1	507	462	2248	1	8
3490	22032	BDWF	1986	69	1	.	454	1827	1	8
3491	22033	BDWF	1986	69	1	483	453	1630	1	8
3492	22034	BDWF	1986	69	1	460	423	1477	1	8
3493	22035	BDWF	1986	69	1	.	432	1710	1	8
3494	22036	BDWF	1986	69	1	473	437	1921	2	3
3495	22037	BDWF	1986	69	1	469	426	1493	1	8
3496	22038	BDWF	1986	69	1	475	435	1739	1	8
3497	22039	BDWF	1986	69	1	455	408	1552	1	8
3498	22040	BDWF	1986	69	1	468	428	1501	2	3
3499	22041	BDWF	1986	69	1	542	500	2523	1	9
3500	22042	BDWF	1986	69	1	506	458	2142	1	8
3501	22043	BDWF	1986	69	1	487	432	1519	2	3
3502	22044	BDWF	1986	69	1	475	439	1674	1	8
3503	22045	BDWF	1986	69	1	527	487	2511	1	8
3504	22046	BDWF	1986	69	1	505	465	2097	2	3
3505	22047	BDWF	1986	69	1	510	466	2288	2	3
3506	22048	BDWF	1986	69	1	470	427	1686	1	8
3507	22049	BDWF	1986	69	1	506	468	2296	2	3
3508	22050	BDWF	1986	69	1	493	448	1766	1	8
3509	22051	BDWF	1986	69	1	532	487	2007	1	8
3510	22052	BDWF	1986	69	1	499	454	1950	2	3
3511	22053	BDWF	1986	69	1	484	444	1997	2	3
3512	22054	BDWF	1986	69	1	504	460	1784	1	9
3513	22055	BDWF	1986	69	1	478	436	1821	1	9
3514	22056	BDWF	1986	64	1	442	405	1172	2	3
3515	22057	BDWF	1986	64	1	376	342	686	1	6
3516	22058	BDWF	1986	64	1	460	421	1006	2	1
3517	22059	BDWF	1986	64	1	442	407	994	1	6
3518	22060	BDWF	1986	64	1	487	450	1579	2	3
3519	22061	BDWF	1986	64	1	390	358	651	1	6
3520	22062	BDWF	1986	64	1	450	414	1132	1	6

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3521	22063	BDWF	1986	64	1	480	443	1298	1	8
3522	22064	BDWF	1986	64	1	474	435	1269	2	3
3523	22065	BDWF	1986	64	1	471	438	1589	2	3
3524	22066	BDWF	1986	64	1	473	430	1374	1	8
3525	22067	BDWF	1986	64	1	458	425	1237	2	3
3526	22068	BDWF	1986	64	1	403	370	737	1	6
3527	22069	BDWF	1986	64	1	418	378	964	1	6
3528	22070	BDWF	1986	64	1	421	388	933	2	1
3529	22071	BDWF	1986	64	1	494	445	1306	1	8
3530	22072	BDWF	1986	64	1	495	457	1677	1	8
3531	22073	BDWF	1986	64	1	354	324	450	1	6
3532	22074	BDWF	1986	64	1	422	389	906	2	1
3533	22075	BDWF	1986	64	1	450	407	1115	2	1
3534	22076	BDWF	1986	64	1	460	425	1117	2	2
3535	22077	BDWF	1986	64	1	505	465	1595	1	8
3536	22078	BDWF	1986	64	1	490	452	1700	2	3
3537	22079	BDWF	1986	64	1	445	406	1094	1	8
3538	22080	BDWF	1986	64	1	460	423	1101	1	8
3539	22081	BDWF	1986	64	1	397	366	801	1	6
3540	22082	BDWF	1986	64	1	462	426	1249	1	8
3541	22083	BDWF	1986	64	1	484	444	1331	2	2
3542	22084	BDWF	1986	64	1	485	450	1253	1	8
3543	22085	BDWF	1986	64	1	494	455	1641	2	8
3544	22086	BDWF	1986	64	1	449	404	1311	2	3
3545	22087	BDWF	1986	64	1	506	462	1485	2	3
3546	22088	BDWF	1986	64	1	437	402	1169	2	3
3547	22089	BDWF	1986	64	1	475	438	1368	2	3
3548	22090	BDWF	1986	64	1	472	433	1475	2	3
3549	22091	BDWF	1986	64	1	498	453	1429	1	8
3550	22092	BDWF	1986	64	1	462	424	1242	1	8
3551	22093	BDWF	1986	64	1	477	437	1152	1	8
3552	22094	BDWF	1986	64	1	482	440	1356	1	8
3553	22095	BDWF	1986	64	1	442	406	1141	2	3
3554	22096	BDWF	1986	64	1	464	422	1245	1	8
3555	22097	BDWF	1986	64	1	485	437	1666	2	4
3556	22098	BDWF	1986	64	1	492	452	1611	1	8
3557	22099	BDWF	1986	64	1	387	358	685	1	6
3558	22100	BDWF	1986	64	1	480	444	1384	1	8
3559	22101	BDWF	1986	64	1	492	450	1458	2	3
3560	22102	BDWF	1986	64	1	475	445	1275	2	3
3561	22103	BDWF	1986	64	1	458	423	1201	2	1
3562	22104	BDWF	1986	64	1	380	349	629	1	6
3563	22105	BDWF	1986	64	1	455	419	1226	2	3
3564	22106	BDWF	1986	66	1	430	390	1229	1	8
3565	22107	BDWF	1986	66	1	450	414	1493	1	8
3566	22108	BDWF	1986	66	1	473	434	1581	1	8
3567	22109	BDWF	1986	66	1	420	385	1188	1	8
3568	22110	BDWF	1986	66	1	437	398	1342	1	8
3569	22111	BDWF	1986	66	1	440	410	1574	2	4
3570	22112	BDWF	1986	66	1	468	430	1632	1	8
3571	22113	BDWF	1986	66	1	489	454	1694	1	8
3572	22114	BDWF	1986	66	1	495	455	1845	2	4
3573	22115	BDWF	1986	66	1	458	423	1578	2	3
3574	22116	BDWF	1986	66	1	454	418	1558	1	8
3575	22117	BDWF	1986	66	1	420	390	1218	1	8
3576	22118	BDWF	1986	66	1	463	425	1506	1	8
3577	22119	LKWF	1986	66	1	528	482	2421	1	9
3578	22120	LKWF	1986	66	1	441	404	1222	1	9
3579	22121	BDWF	1986	66	1	453	410	1638	2	3
3580	22122	BDWF	1986	66	1	452	417	1548	2	3
3581	22123	BDWF	1986	66	1	450	411	1530	2	3
3582	22124	BDWF	1986	66	1	426	381	1104	1	9
3583	22125	BDWF	1986	66	1	430	391	1188	1	8
3584	22126	BDWF	1986	66	1	464	416	1445	1	8
3585	22127	BDWF	1986	66	1	458	397	1313	1	7
3586	22128	BDWF	1986	66	1	492	452	1992	2	3
3587	22129	BDWF	1986	66	1	452	415	1371	1	8
3588	22130	BDWF	1986	66	1	468	424	1731	2	3
3589	22131	BDWF	1986	66	1	501	456	1958	1	7
3590	22132	BDWF	1986	66	1	494	453	1536	1	8
3591	22133	BDWF	1986	66	1	423	391	1299	1	8
3592	22134	BDWF	1986	66	1	465	424	1695	2	3
3593	22135	BDWF	1986	66	1	458	417	1548	1	9
3594	22136	BDWF	1986	66	1	472	427	1719	2	3
3595	22137	BDWF	1986	66	1	450	408	1581	2	3
3596	22138	BDWF	1986	66	1	453	413	1505	2	3
3597	22139	BDWF	1986	70	1	504	466	2222	1	6
3598	22140	BDWF	1986	70	1	437	399	1840	2	1
3599	22141	BDWF	1986	70	1	371	341	1017	1	6
3600	22142	BDWF	1986	70	1	.	460	2547	1	6
3601	22143	BDWF	1986	70	1	.	411	1754	2	1
3602	22144	BDWF	1986	70	1	.	362	1252	2	1
3603	22145	BDWF	1986	70	1	480	453	2082	2	1
3604	22146	BDWF	1986	68	1	.	389	1182	2	1
3605	22147	BDWF	1986	68	1	362	332	647	2	1
3606	22148	BDWF	1986	68	1	555	510	2801	1	8
3607	22149	BDWF	1986	68	1	419	387	1016	1	6
3608	22150	LKWF	1986	68	1	366	337	692	2	1
3609	22151	BDWF	1986	68	1	371	344	658	2	1
3610	22152	BDWF	1986	68	1	486	444	1784	1	7
3611	22153	BDWF	1986	68	1	334	305	512	1	6
3612	22154	BDWF	1986	68	1	532	492	2731	1	9
3613	22155	LKWF	1986	68	1	.	361	869	1	8
3614	22156	BDWF	1986	65	1	441	410	1246	2	1
3615	22157	BDWF	1986	65	1	290	264	322	1	6
3616	22158	BDWF	1986	65	1	462	433	1170	2	2
3617	22159	BDWF	1986	65	1	462	426	1442	2	2
3618	22160	BDWF	1986	67	1	526	485	2513	2	3
3619	22161	BDWF	1986	71	1	179	162	66	0	0
3620	22162	BDWF	1986	71	1	163	145	47	0	0
3621	22163	BDWF	1986	71	1	312	286	374	1	6
3622	22164	BDWF	1986	71	1	354	323	592	2	1
3623	22165	BDWF	1986	71	1	185	168	72	0	0
3624	22166	BDWF	1986	71	1	.	404	1499	1	6
3625	22167	BDWF	1986	71	1	300	278	356	2	1
3626	22168	BDWF	1986	71	1	453	417	1025	2	3
3627	22169	BDWF	1986	71	1	.	292	384	1	6
3628	22170	BDWF	1986	71	1	464	421	1090	2	1
3629	22171	BDWF	1986	71	1	225	207	137	0	0
3630	22172	BDWF	1986	71	1	249	220	168	1	6

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3631	22173	BDWF	1986	71	1	340	312	594	2	1
3632	22174	BDWF	1986	71	1	473	427	1706	2	3
3633	22175	BDWF	1986	71	1	467	430	1612	1	8
3634	22176	BDWF	1986	71	1	434	394	1310	2	3
3635	22177	BDWF	1986	71	1	431	395	1282	2	3
3636	22178	BDWF	1986	71	1	186	164	92	0	0
3637	22179	BDWF	1986	71	1	217	196	139	2	1
3638	22180	BDWF	1986	71	1	232	213	195	2	1
3639	22181	BDWF	1986	71	1	238	217	185	2	1
3640	22182	BDWF	1986	71	1	252	223	221	1	6
3641	22183	LKWF	1986	71	1	265	237	240	1	6
3642	22184	LKWF	1986	71	1	322	286	529	2	1
3643	22185	LKWF	1986	71	1	327	293	517	2	1
3644	22186	LKWF	1986	71	1	401	358	827	2	1
3645	22187	LKWF	1986	71	1	303	272	413	2	1
3646	22188	LKWF	1986	71	1	258	232	240	1	6
3647	22189	LKWF	1986	71	1	317	290	388	2	1
3648	22190	LKWF	1986	71	1	273	246	335	2	1
3649	22191	LKWF	1986	71	1	302	272	342	2	1
3650	22192	LKWF	1986	71	1	325	295	430	2	1
3651	22193	LKWF	1986	71	1	259	236	224	2	1
3652	22194	LKWF	1986	71	1	283	254	273	1	6
3653	22195	LKWF	1986	71	1	340	310	534	1	6
3654	22196	LKWF	1986	71	1	299	274	311	2	1
3655	22197	LKWF	1986	71	1	363	330	644	2	3
3656	22198	LKWF	1986	71	1	340	307	473	2	2
3657	22199	LKWF	1986	71	1	310	283	325	1	6
3658	22200	LKWF	1986	71	1	390	359	745	2	2
3659	22201	LKWF	1986	71	1	.	248	244	2	1
3660	22202	LKWF	1986	71	1	.	300	477	2	1
3661	22203	LKWF	1986	71	1	247	221	177	2	1
3662	22204	LKWF	1986	71	1	306	279	306	2	1
3663	22205	LKWF	1986	71	1	305	278	381	2	1
3664	22206	LKWF	1986	71	1	303	276	332	2	1
3665	22207	LKWF	1986	71	1	289	263	305	2	1
3666	22208	LKWF	1986	71	1	337	307	500	1	6
3667	22209	LKWF	1986	71	1	234	255	188	2	1
3668	22210	LKWF	1986	71	1	356	324	565	2	1
3669	22211	LKWF	1986	71	1	276	252	251	2	1
3670	22212	LKWF	1986	71	1	336	306	507	1	6
3671	22213	LKWF	1986	71	1	349	320	554	1	6
3672	22214	LKWF	1986	71	1	237	212	173	1	6
3673	22215	LKWF	1986	71	1	347	317	550	2	1
3674	22216	LKWF	1986	71	1	274	250	222	2	1
3675	22217	LKWF	1986	71	1	284	257	279	1	6
3676	22218	LKWF	1986	71	1	306	281	335	2	1
3677	22219	LKWF	1986	71	1	302	270	319	1	6
3678	22220	LKWF	1986	71	1	315	282	343	2	1
3679	22221	LKWF	1986	71	1	362	330	473	2	1
3680	22222	LKWF	1986	71	1	310	280	380	2	1
3681	22223	LKWF	1986	71	1	292	263	287	2	1
3682	22224	LKWF	1986	71	1	283	252	256	.	.
3683	22225	LKWF	1986	71	1	372	342	542	1	6
3684	22226	LKWF	1986	71	1	416	378	1006	2	1
3685	22227	LKWF	1986	71	1	327	297	413	2	1
3686	22228	LKWF	1986	71	1	324	295	408	1	6
3687	22229	LKWF	1986	71	1	240	216	173	1	6
3688	22230	LKWF	1986	71	1	.	289	335	1	6
3689	22231	LKWF	1986	71	1	270	241	255	2	1
3690	22232	LKWF	1986	71	1	288	261	275	1	6
3691	22233	BDWF	1986	72	1	355	324	721	2	1
3692	22234	BDWF	1986	72	1	407	373	1253	2	2
3693	22235	BDWF	1986	72	1	372	340	927	1	6
3694	22236	BDWF	1986	72	1	368	336	922	1	6
3695	22237	LKWF	1986	69	1	444	404	1287	2	2
3696	22238	LKWF	1986	69	1	470	427	1731	2	4
3697	22239	LKWF	1986	69	1	464	419	1733	1	8
3698	22240	LKWF	1986	69	1	455	413	1429	1	9
3699	22241	LKWF	1986	69	1	441	398	1433	2	4
3700	22242	LKWF	1986	69	1	407	369	900	1	6
3701	22243	LKWF	1986	69	1	477	434	1480	1	9
3702	22244	LKWF	1986	69	1	477	407	1456	2	4
3703	22245	LKWF	1986	69	1	486	445	1820	2	4
3704	22246	LKWF	1986	69	1	428	387	1171	2	1
3705	22247	LKWF	1986	69	1	430	386	1089	1	9
3706	22248	LKWF	1986	69	1	.	392	1591	1	8
3707	22249	LKWF	1986	69	1	441	396	1380	2	3
3708	22250	LKWF	1986	69	1	443	405	1401	2	4
3709	22251	LKWF	1986	69	1	455	418	1509	2	3
3710	22252	LKWF	1986	69	1	420	385	1310	2	4
3711	22253	LKWF	1986	69	1	.	385	1153	2	3
3712	22254	LKWF	1986	69	1	405	372	994	1	9
3713	22255	LKWF	1986	69	1	470	431	1583	2	1
3714	22256	LKWF	1986	69	1	453	413	1520	2	4
3715	22257	LKWF	1986	69	1	425	384	1262	2	4
3716	22258	LKWF	1986	69	1	453	416	1300	1	8
3717	22259	LKWF	1986	69	1	455	400	1485	2	3
3718	22260	LKWF	1986	69	1	452	417	1354	1	8
3719	22261	LKWF	1986	69	1	432	398	1289	2	3
3720	22262	LKWF	1986	69	1	444	400	1323	2	4
3721	22263	LKWF	1986	69	1	439	399	1525	2	3
3722	22264	LKWF	1986	69	1	452	413	1281	1	8
3723	22265	LKWF	1986	69	1	428	390	1283	2	3
3724	22266	LKWF	1986	69	1	455	412	1457	2	4
3725	22267	LKWF	1986	69	1	418	383	1200	1	9
3726	22268	LKWF	1986	69	1	424	384	1206	1	7
3727	22269	LKWF	1986	69	1	426	393	1161	1	9
3728	22270	LKWF	1986	69	1	429	388	1606	2	3
3729	22271	LKWF	1986	69	1	432	395	1338	2	3
3730	22272	LKWF	1986	69	1	423	382	1135	2	3
3731	22273	LKWF	1986	69	1	443	402	1387	1	9
3732	22274	LKWF	1986	69	1	441	397	1204	1	8
3733	22275	LKWF	1986	69	1	427	389	1446	2	3
3734	22276	LKWF	1986	69	1	418	380	1234	1	9
3735	22277	LKWF	1986	69	1	446	407	1556	2	4
3736	22278	LKWF	1986	69	1	450	409	1355	1	9
3737	22279	LKWF	1986	69	1	446	403	1360	1	8
3738	22280	LKWF	1986	69	1	424	384	1327	2	3
3739	22281	LKWF	1986	69	1	403	363	957	1	9
3740	22282	LKWF	1986	65	1	370	335	532	2	1

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3741	22283	LKWF	1986	65	1	326	297	444	1	8
3742	22284	LKWF	1986	65	1	385	335	642	2	3
3743	22285	LKWF	1986	65	1	309	279	353	1	8
3744	22286	LKWF	1986	65	1	371	338	773	2	3
3745	22287	LKWF	1986	65	1	331	300	480	2	4
3746	22288	LKWF	1986	65	1	325	294	441	2	1
3747	22289	LKWF	1986	65	1	362	330	614	1	8
3748	22290	LKWF	1986	65	1	381	346	771	1	8
3749	22291	LKWF	1986	65	1	324	294	474	2	3
3750	22292	LKWF	1986	65	1	326	295	459	1	8
3751	22293	LKWF	1986	65	1	345	316	458	2	1
3752	22294	LKWF	1986	65	1	324	297	430	1	8
3753	22295	LKWF	1986	65	1	292	265	309	2	1
3754	22296	LKWF	1986	65	1	165	148	46	0	0
3755	22297	LKWF	1986	65	1	281	255	274	2	1
3756	22298	LKWF	1986	65	1	180	163	65	2	1
3757	22299	LKWF	1986	65	1	.	.	76	2	0
3758	22300	LKWF	1986	65	1	251	228	194	1	6
3759	22301	LKWF	1986	65	1	278	248	237	2	1
3760	22302	LKWF	1986	65	1	327	293	513	2	4
3761	22303	LKWF	1986	65	1	329	296	437	1	8
3762	22304	LKWF	1986	65	1	292	263	331	1	8
3763	22305	LKWF	1986	65	1	327	296	475	1	7
3764	22306	LKWF	1986	65	1	315	286	394	1	8
3765	22307	LKWF	1986	65	1	.	254	276	1	6
3766	22308	LKWF	1986	65	1	298	270	377	1	8
3767	22309	LKWF	1986	65	1	308	278	366	2	1
3768	22310	LKWF	1986	65	1	318	290	411	2	4
3769	22311	LKWF	1986	65	1	302	281	386	2	4
3770	22312	LKWF	1986	65	1	374	344	724	2	4
3771	22313	LKWF	1986	65	1	329	300	428	1	8
3772	22314	LKWF	1986	65	1	364	334	634	1	8
3773	22315	LKWF	1986	65	1	410	378	875	1	7
3774	22316	LKWF	1986	65	1	340	305	516	1	8
3775	22317	LKWF	1986	65	1	470	431	1475	1	8
3776	22318	LKWF	1986	65	1	416	381	1309	2	4
3777	22319	LKWF	1986	65	1	463	426	1522	1	8
3778	22320	LKWF	1986	65	1	340	308	615	2	3
3779	22321	LKWF	1986	65	1	300	276	329	1	8
3780	22322	LKWF	1986	65	1	.	351	755	2	3
3781	22323	LKWF	1986	65	1	337	312	490	1	8
3782	22324	LKWF	1986	65	1	.	378	310	1	6
3783	22325	LKWF	1986	66	1	455	419	1384	1	9
3784	22326	LKWF	1986	66	1	.	464	1854	1	8
3785	22327	LKWF	1986	66	1	482	438	1570	1	9
3786	22328	LKWF	1986	66	1	444	408	1402	1	9
3787	22329	LKWF	1986	66	1	.	415	1429	2	3
3788	22330	LKWF	1986	66	1	458	419	1374	2	4
3789	22331	LKWF	1986	66	1	525	477	2120	1	9
3790	22332	LKWF	1986	66	1	494	456	1734	1	9
3791	22333	LKWF	1986	66	1	473	432	1251	1	8
3792	22334	LKWF	1986	66	1	450	424	1337	1	9
3793	22335	LKWF	1986	66	1	432	399	1268	1	9
3794	22336	LKWF	1986	66	1	493	456	1711	1	9
3795	22337	LKWF	1986	66	1	437	403	1343	1	9
3796	22338	LKWF	1986	68	1	451	412	1518	2	4
3797	22339	LKWF	1986	68	1	389	336	802	1	8
3798	22340	LKWF	1986	68	1	378	338	757	1	8
3799	22341	LKWF	1986	68	1	455	412	1528	2	4
3800	22342	LKWF	1986	68	1	407	385	1002	1	8
3801	22343	LKWF	1986	68	1	415	373	957	.	.
3802	22344	LKWF	1986	68	1	404	372	928	1	8
3803	22345	LKWF	1986	68	1	401	370	927	2	1
3804	22346	LKWF	1986	68	1	424	395	1150	2	3
3805	22347	LKWF	1986	68	1	390	358	1245	2	3
3806	22348	LKWF	1986	68	1	468	433	772	2	1
3807	22349	LKWF	1986	68	1	408	374	861	2	1
3808	22350	LKWF	1986	68	1	380	350	690	1	8
3809	22351	LKWF	1986	68	1	380	346	810	2	3
3810	22352	LKWF	1986	68	1	440	403	1185	2	3
3811	22353	LKWF	1986	68	1	408	371	975	2	3
3812	22354	LKWF	1986	68	1	389	356	678	1	7
3813	22355	LKWF	1986	68	1	410	374	910	1	6
3814	22356	LKWF	1986	68	1	454	412	1064	1	9
3815	22357	LKWF	1986	68	1	454	374	612	2	1
3816	22358	LKWF	1986	68	1	343	314	472	2	1
3817	22359	LKWF	1986	68	1	384	355	762	2	1
3818	22360	LKWF	1986	68	1	366	338	781	2	3
3819	22361	LKWF	1986	68	1	383	348	749	1	6
3820	22362	LKWF	1986	68	1	486	424	1331	2	3
3821	22363	BDWF	1986	78	1	448	411	1473	1	7
3822	22364	BDWF	1986	78	1	431	393	1086	1	7
3823	22365	BDWF	1986	78	1	405	373	1081	1	7
3824	22366	BDWF	1986	78	1	394	356	1102	2	1
3825	22367	BDWF	1986	78	1	436	402	1303	2	2
3826	22368	BDWF	1986	78	1	411	380	1040	2	2
3827	22369	BDWF	1986	78	1	390	360	985	1	6
3828	22370	BDWF	1986	78	1	404	369	1040	2	1
3829	22371	BDWF	1986	78	1	422	390	1215	1	7
3830	22372	BDWF	1986	78	1	431	399	1322	2	2
3831	22373	BDWF	1986	78	1	444	404	1180	2	2
3832	22374	BDWF	1986	78	1	435	399	1307	1	6
3833	22375	BDWF	1986	78	1	462	421	1616	1	7
3834	22376	BDWF	1986	78	1	425	388	1143	1	6
3835	22377	BDWF	1986	78	1	492	454	1711	1	7
3836	22378	BDWF	1986	78	1	474	435	1516	2	2
3837	22379	BDWF	1986	78	1	472	434	1025	1	6
3838	22380	BDWF	1986	77	1	480	440	1896	1	7
3839	22381	BDWF	1986	77	1	476	437	1745	2	2
3840	22382	BDWF	1986	77	1	452	420	1931	1	7
3841	22383	LKWF	1986	75	1	.	300	451	2	2
3842	22384	LKWF	1986	75	1	333	304	438	2	3
3843	22385	LKWF	1986	75	1	333	302	483	2	4
3844	22386	LKWF	1986	75	1	328	295	347	2	1
3845	22387	LKWF	1986	75	1	335	303	497	2	3
3846	22388	LKWF	1986	75	1	320	287	367	2	1
3847	22389	LKWF	1986	75	1	358	326	573	2	4
3848	22390	LKWF	1986	75	1	403	368	609	2	2
3849	22391	LKWF	1986	75	1	.	300	413	2	2
3850	22392	LKWF	1986	75	1	.	305	470	2	4

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3851	22393	LKWF	1986	75	1	295	267	288	2	1
3852	22394	LKWF	1986	75	1	329	298	462	2	4
3853	22395	LKWF	1986	75	1	343	312	548	2	4
3854	22396	LKWF	1986	75	1	345	313	486	1	8
3855	22397	LKWF	1986	75	1	323	296	394	1	8
3856	22398	LKWF	1986	75	1	343	309	450	2	3
3857	22399	LKWF	1986	75	1	322	292	418	2	3
3858	22400	LKWF	1986	75	1	316	289	419	2	4
3859	22401	LKWF	1986	75	1	309	277	332	1	10
3860	22402	LKWF	1986	75	1	327	296	460	2	3
3861	22403	LKWF	1986	75	1	332	303	431	2	3
3862	22404	LKWF	1986	75	1	353	324	507	2	4
3863	22405	LKWF	1986	75	1	400	363	710	2	4
3864	22406	LKWF	1986	75	1	354	322	545	2	4
3865	22407	LKWF	1986	75	1	350	318	469	1	9
3866	22408	LKWF	1986	75	1	342	316	497	2	3
3867	22409	LKWF	1986	75	1	350	324	475	2	2
3868	22410	LKWF	1986	75	1	340	314	462	2	2
3869	22411	LKWF	1986	75	1	298	274	321	1	9
3870	22412	LKWF	1986	75	1	315	292	367	1	10
3871	22413	LKWF	1986	75	1	325	294	446	2	4
3872	22414	LKWF	1986	75	1	334	305	474	2	4
3873	22415	LKWF	1986	75	1	334	309	452	2	4
3874	22416	LKWF	1986	75	1	356	326	514	1	9
3875	22417	LKWF	1986	75	1	324	301	466	2	4
3876	22418	LKWF	1986	75	1	307	279	355	1	9
3877	22419	LKWF	1986	75	1	315	289	353	1	10
3878	22420	LKWF	1986	75	1	339	311	482	2	4
3879	22421	LKWF	1986	75	1	323	297	387	1	9
3880	22422	LKWF	1986	75	1	340	314	439	2	4
3881	22423	LKWF	1986	75	1	334	307	461	2	2
3882	22424	LKWF	1986	75	1		359	748	2	3
3883	22425	LKWF	1986	75	1	341	314	522	2	4
3884	22426	LKWF	1986	75	1	334	305	410	2	4
3885	22427	LKWF	1986	75	1	335	306	469	2	4
3886	22428	LKWF	1986	75	1	336	310	463	2	3
3887	22429	LKWF	1986	75	1	344	317	486	2	3
3888	22430	LKWF	1986	75	1	326	297	468	2	4
3889	22431	LKWF	1986	75	1	353	323	526	1	10
3890	22432	LKWF	1986	75	1	341	315	416	2	2
3891	22433	LKWF	1986	68	1	475	434	1721	2	3
3892	22434	LKWF	1986	68	1	385	351	737	1	9
3893	22435	LKWF	1986	68	1	375	341	687	2	2
3894	22436	LKWF	1986	68	1	413	375	1278	2	4
3895	22437	LKWF	1986	68	1	385	351	738	1	6
3896	22438	LKWF	1986	68	1	386	351	774	1	6
3897	22439	LKWF	1986	68	1	371	339	723	1	9
3898	22440	LKWF	1986	68	1	343	310	564	2	1
3899	22441	LKWF	1986	68	1	388	353	821	2	3
3900	22442	LKWF	1986	68	1	480	362	1018	2	3
3901	22443	LKWF	1986	68	1	447	402	1249	1	9
3902	22444	LKWF	1986	68	1	374	357	783	2	2
3903	22445	LKWF	1986	68	1	386	362	836	1	9
3904	22446	LKWF	1986	68	1	370	342	681	1	9
3905	22447	LKWF	1986	68	1	377	347	806	1	9
3906	22448	LKWF	1986	68	1	389	337	659	1	9
3907	22449	LKWF	1986	68	1	383	352	711	2	2
3908	22450	LKWF	1986	68	1	359	329	607	1	6
3909	22451	LKWF	1986	68	1	356	324	639	1	9
3910	22452	LKWF	1986	80	1	439	411	1113	1	9
3911	22453	LKWF	1986	80	1	489	449	1996	1	7
3912	22454	LKWF	1986	80	1	434	400	1087	2	4
3913	22455	LKWF	1986	80	1		348	673	1	9
3914	22456	LKWF	1986	80	1	475	443	1473	1	9
3915	22457	LKWF	1986	80	1	462	426	1425	1	9
3916	22458	LKWF	1986	80	1	425	388	1084	1	9
3917	22459	LKWF	1986	80	1	462	422	1155	2	2
3918	22460	LKWF	1986	80	1	445	408	1150	1	9
3919	22461	LKWF	1986	80	1	408	375	867	1	9
3920	22462	LKWF	1986	80	1	.	420	1450	2	4
3921	22463	LKWF	1986	80	1	462	423	1305	1	9
3922	22464	LKWF	1986	80	1	476	439	1600	1	9
3923	22465	LKWF	1986	80	1	405	370	900	1	9
3924	22466	LKWF	1986	80	1	458	425	1323	1	9
3925	22467	LKWF	1986	80	1	479	440	1481	1	9
3926	22468	LKWF	1986	80	1	439	400	1091	1	9
3927	22469	LKWF	1986	80	1	448	404	1263	1	9
3928	22470	LKWF	1986	80	1	418	385	863	1	9
3929	22471	LKWF	1986	80	1	.	378	1035	1	9
3930	22472	LKWF	1986	80	1	438	400	1152	2	4
3931	22473	LKWF	1986	80	1	.	366	842	2	2
3932	22474	LKWF	1986	80	1	.	353	773	1	7
3933	22475	LKWF	1986	80	1	.	395	1075	1	9
3934	22476	LKWF	1986	80	1	456	420	1318	2	4
3935	22477	LKWF	1986	80	1	467	431	1213	2	2
3936	22478	LKWF	1986	80	1	468	431	1532	2	4
3937	22479	LKWF	1986	80	1	.	423	1212	1	9
3938	22480	LKWF	1986	80	1	451	411	1399	1	9
3939	22481	LKWF	1986	80	1	489	435	1455	1	9
3940	22482	LKWF	1986	80	1	408	373	988	1	9
3941	22483	LKWF	1986	80	1	.	441	1337	2	2
3942	22484	LKWF	1986	80	1	505	472	1738	2	4
3943	22485	LKWF	1986	80	1	.	378	524	2	1
3944	22486	LKWF	1986	80	1	413	377	1014	1	10
3945	22487	LKWF	1986	80	1	453	417	1244	II	4
3946	22488	LKWF	1986	80	1	.	390	1061	II	4
3947	22489	LKWF	1986	80	1	485	428	1492	2	4
3948	22490	LKWF	1986	80	1	.	418	1188	1	9
3949	22491	LKWF	1986	80	1	466	434	1413	1	9
3950	22492	LKWF	1986	80	1	.	373	898	1	9
3951	22493	LKWF	1986	80	1	.	387	1221	2	4
3952	22494	LKWF	1986	80	1	430	393	1044	1	9
3953	22495	LKWF	1986	80	1	475	447	1454	1	9
3954	22496	LKWF	1986	80	1	465	434	1384	1	9
3955	22497	LKWF	1986	80	1	460	420	1421	1	9
3956	22498	LKWF	1986	80	1	.	440	1542	2	3
3957	22499	LKWF	1986	80	1	446	411	1106	2	5
3958	22500	LKWF	1986	80	1	421	390	1015	1	9
3959	22501	ARCH	1986	58	1	544	490	1613	2	3
3960	22502	ARCH	1986	58	1	520	466	1547	2	4

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
3981	22503	ARCH	1986	58	1	440	394	861	2	1
3982	22504	ARCH	1986	58	1	525	477	1514	1	9
3983	22505	ARCH	1986	58	1	540	484	1617	2	4
3984	22506	ARCH	1986	58	1	542	483	1714	2	4
3985	22507	ARCH	1986	58	1	490	437	1139	2	5
3986	22508	ARCH	1986	58	1	398	256	643	1	9
3987	22509	ARCH	1986	58	1	486	437	1210	2	3
3988	22510	ARCH	1986	58	1	512	465	1152	2	4
3989	22511	LKWF	1986	78	1	376	344	702	1	9
3990	22512	LKWF	1986	78	1	387	352	936	1	9
3991	22513	LKWF	1986	78	1	382	347	868	2	4
3992	22514	LKWF	1986	78	1	420	387	1003	1	9
3993	22515	BDWF	1986	78	1	349	323	624	1	6
3994	22516	LKWF	1986	78	1	389	340	695	1	9
3995	22517	LKWF	1986	77	1	344	318	621	2	4
3996	22518	LKWF	1986	77	1	325	299	497	2	1
3997	22519	LKWF	1986	77	1	342	314	620	2	4
3998	22520	BDWF	1986	76	1	428	393	1078	2	1
3999	22521	LKWF	1986	76	1	419	382	1002	2	4
4000	22522	BDWF	1986	76	1	393	360	838	2	1
4001	22593	LKWF	1986	68	1	.	404	1319	2	3
4002	22595	BDWF	1986	68	1	380	323	598	1	6
4003	22596	LKWF	1986	68	1	379	346	685	2	1
4004	22597	BDWF	1986	68	1	357	333	634	1	6
4005	22598	BDWF	1986	68	1	534	491	2472	1	9
4006	22599	LKWF	1986	68	1	.	400	1116	1	9
4007	22600	LKWF	1986	68	1	.	348	702	2	3
4008	22601	ARCH	1986	62	1	411	366	726	2	4
4009	22602	ARCH	1986	62	1	461	413	1041	2	3
4010	22603	ARCH	1986	62	1	445	397	1047	2	3
4011	22604	ARCH	1986	62	1	408	364	712	2	3
4012	22605	ARCH	1986	62	1	471	426	1101	2	4
4013	22606	ARCH	1986	62	1	394	353	739	2	3
4014	22607	ARCH	1986	62	1	432	384	773	2	3
4015	22608	ARCH	1986	62	1	399	355	736	2	3
4016	22609	ARCH	1986	62	1	442	391	959	2	4
4017	22610	ARCH	1986	62	1	421	380	818	2	3
4018	22611	ARCH	1986	62	1	412	369	825	1	6
4019	22612	ARCH	1986	62	1	305	277	302	2	1
4020	22613	ARCH	1986	62	1	528	470	1621	2	3
4021	22614	ARCH	1986	62	1	337	300	393	2	1
4022	22615	ARCH	1986	62	1	416	372	779	2	3
4023	22616	ARCH	1986	62	1	344	309	497	2	1
4024	22617	ARCH	1986	62	1	388	322	639	2	3
4025	22618	ARCH	1986	62	1	389	349	744	2	4
4026	22619	ARCH	1986	62	1	383	344	631	2	1
4027	22620	ARCH	1986	62	1	357	315	498	2	1
4028	22621	ARCH	1986	62	1	345	306	404	2	1
4029	22622	ARCH	1986	62	1	425	374	890	2	4
4030	22623	ARCH	1986	62	1	288	253	217	2	1
4031	22624	ARCH	1986	62	1	348	312	455	2	1
4032	22625	ARCH	1986	62	1	371	335	585	2	4
4033	22626	BDWF	1986	65	1	503	484	2053	2	2
4034	22627	LKWF	1986	65	1	368	341	868	1	9
4035	22628	BDWF	1986	65	1	509	470	1639	1	7
4036	22629	LKWF	1986	65	1	383	348	797	2	4
4037	22630	BDWF	1986	65	1	499	484	1697	2	2
4038	22632	BDWF	1986	65	1	290	269	308	.	.
4039	22633	LKWF	1986	65	1	411	384	905	1	8
4040	22634	LKWF	1986	65	1	262	234	221	2	1
4041	22635	LKWF	1986	65	1	283	237	216	0	0
4042	22636	LKWF	1986	65	1	361	327	632	2	3
4043	22638	BDWF	1986	65	1	470	437	1457	1	7
4044	22639	BDWF	1986	70	1	440	402	1935	1	6
4045	23639	ARCH	1986	61	1	493	442	1128	2	4
4046	22640	BDWF	1986	70	1	485	426	1819	1	6
4047	22641	BDWF	1986	70	1	439	404	1515	1	6
4048	22642	BDWF	1986	70	1	361	329	828	2	1
4049	22643	BDWF	1986	70	1	379	346	981	1	6
4050	22644	LKWF	1986	70	1	.	395	1372	2	2
4051	22645	ARCH	1986	61	1	482	421	905	2	4
4052	22646	ARCH	1986	61	1	515	451	1291	2	3
4053	22647	ARCH	1986	61	1	565	505	1640	1	10
4054	22648	ARCH	1986	61	1	503	451	1239	2	4
4055	22649	ARCH	1986	61	1	480	428	1162	2	4
4056	22650	ARCH	1986	61	1	590	529	2083	1	9
4057	22651	ARCH	1986	61	1	565	503	1415	2	4
4058	22652	ARCH	1986	61	1	515	462	1409	2	4
4059	22653	ARCH	1986	61	1	519	458	1078	2	5
4060	22654	ARCH	1986	61	1	304	269	269	1	9
4061	22655	ARCH	1986	61	1	522	474	1103	2	2
4062	22656	ARCH	1986	61	1	514	470	1250	1	9
4063	22657	ARCH	1986	61	1	535	474	1413	1	9
4064	22658	ARCH	1986	61	1	558	495	1134	2	5
4065	22659	ARCH	1986	61	1	471	421	1014	2	3
4066	22660	ARCH	1986	61	1	490	438	1088	1	9
4067	22661	ARCH	1986	61	1	513	462	1014	2	5
4068	22662	ARCH	1986	61	1	459	413	774	2	5
4069	22663	ARCH	1986	61	1	458	410	919	2	3
4070	22664	ARCH	1986	61	1	486	390	748	2	5
4071	22665	ARCH	1986	61	1	540	483	1407	2	4
4072	22666	ARCH	1986	61	1	537	476	1293	2	5
4073	22667	ARCH	1986	61	1	589	522	1739	1	6
4074	22668	ARCH	1986	61	1	546	494	1677	1	9
4075	22669	ARCH	1986	61	1	300	268	265	1	9
4076	22670	ARCH	1986	59	1	598	541	2124	2	2
4077	22671	ARCH	1986	59	1	391	350	597	1	9
4078	22672	ARCH	1986	59	1	.	486	1071	2	5
4079	22673	ARCH	1986	59	1	454	411	883	2	5
4080	22674	ARCH	1986	59	1	511	462	1269	1	10
4081	22675	ARCH	1986	59	1	544	491	1252	2	5
4082	22676	ARCH	1986	59	1	563	508	1221	2	5
4083	22677	ARCH	1986	59	1	540	483	1146	2	5
4084	22678	ARCH	1986	59	1	605	547	1794	2	5
4085	22679	ARCH	1986	59	1	647	585	2868	1	9
4086	22680	ARCH	1986	59	1	517	469	1230	2	5
4087	22681	ARCH	1986	59	1	507	451	1231	1	9
4088	22682	ARCH	1986	59	1	622	570	1797	1	9
4089	22683	ARCH	1986	59	1	517	464	1112	2	5
4070	22684	ARCH	1986	59	1	656	592	2913	1	9

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
4071	22686	ARCH	1986	58	1	.	447	1192	1	9
4072	22687	ARCH	1986	58	1	477	430	997	2	4
4073	22688	ARCH	1986	58	1	542	479	1380	1	9
4074	22689	ARCH	1986	58	1	391	350	577	2	3
4075	22690	ARCH	1986	58	1	396	358	547	1	9
4076	22691	ARCH	1986	58	1	385	354	605	2	4
4077	22692	ARCH	1986	58	1	471	424	929	1	9
4078	22693	ARCH	1986	58	1	597	540	2040	1	9
4079	22695	ARCH	1986	58	1	482	426	937	2	3
4080	22696	ARCH	1986	58	1	479	431	926	1	9
4081	22697	ARCH	1986	58	1	513	461	1153	2	3
4082	22698	ARCH	1986	58	1	586	510	1585	1	9
4083	22699	ARCH	1986	58	1	301	270	282	1	8
4084	22700	ARCH	1986	58	1	500	441	942	2	4
4085	22701	LKWF	1985	44	1	489	448	1631	1	10
4086	22702	LKWF	1985	44	1	519	475	1870	1	10
4087	22703	LKWF	1985	44	1	533	490	2133	1	10
4088	22704	LKWF	1985	44	1	475	445	1773	1	10
4089	22705	LKWF	1985	44	1	495	462	1798	1	10
4090	22706	LKWF	1985	44	1	488	455	1750	1	10
4091	22707	LKWF	1985	44	1	503	464	1607	1	10
4092	22708	LKWF	1985	44	1	495	460	1747	1	10
4093	22709	LKWF	1985	44	1	483	445	1643	1	10
4094	22710	LKWF	1985	44	1	509	472	2007	2	5
4095	22711	LKWF	1985	44	1	501	460	1755	1	10
4096	22712	LKWF	1985	44	1	520	475	2082	1	9
4097	22713	LKWF	1985	44	1	460	422	1531	1	9
4098	22714	LKWF	1985	44	1	532	495	1928	1	10
4099	22715	LKWF	1985	44	1	494	450	1895	1	10
4100	22716	LKWF	1985	44	1	536	505	2328	2	5
4101	22717	LKWF	1985	44	1	484	452	1603	1	9
4102	22718	LKWF	1985	44	1	474	440	1348	1	10
4103	22719	LKWF	1985	44	1	491	455	1534	1	10
4104	23501	LKWF	1986	80	1	459	425	1448	2	4
4105	23502	LKWF	1986	68	1	452	411	1447	2	4
4106	23503	LKWF	1986	81	1	499	457	2241	2	4
4107	23504	LKWF	1986	81	1	467	435	1802	2	4
4108	23505	LKWF	1986	81	1	495	457	1689	1	10
4109	23506	LKWF	1986	81	1	497	455	1562	1	9
4110	23507	LKWF	1986	81	1	495	455	1835	2	4
4111	23508	LKWF	1986	81	1	.	451	1879	1	10
4112	23509	LKWF	1986	81	1	.	485	1914	1	9
4113	23510	LKWF	1986	81	1	.	424	1239	1	8
4114	23511	LKWF	1986	81	1	.	452	1507	2	5
4115	23512	LKWF	1986	81	1	.	.	1632	1	9
4116	23513	LKWF	1986	81	1	.	433	1599	2	5
4117	23514	LKWF	1986	81	1	486	430	1446	1	9
4118	23515	LKWF	1986	81	1	521	477	1918	2	3
4119	23516	LKWF	1986	81	1	501	460	2031	1	9
4120	23517	LKWF	1986	81	1	488	443	1809	2	5
4121	23518	LKWF	1986	81	1	538	490	2894	1	10
4122	23519	LKWF	1986	81	1	495	459	1938	2	4
4123	23520	LKWF	1986	81	1	509	466	1728	1	10
4124	23521	LKWF	1986	81	1	490	454	1511	1	10
4125	23522	LKWF	1986	81	1	482	447	1374	1	9
4126	23523	LKWF	1986	81	1	470	442	1444	2	2
4127	23524	LKWF	1986	81	1	489	450	1734	1	10
4128	23525	LKWF	1986	81	1	.	472	1983	1	10
4129	23526	LKWF	1986	81	1	503	464	2047	1	10
4130	23527	LKWF	1986	81	1	492	457	1878	2	4
4131	23528	LKWF	1986	81	1	528	486	1954	1	9
4132	23529	LKWF	1986	81	1	488	448	1855	2	4
4133	23530	LKWF	1986	81	1	500	462	1790	2	4
4134	23531	LKWF	1986	81	1	530	478	2255	2	3
4135	23532	LKWF	1986	81	1	506	468	1709	1	9
4136	23533	LKWF	1986	81	1	520	488	2256	1	9
4137	23534	LKWF	1986	81	1	511	478	2244	2	3
4138	23535	LKWF	1986	81	1	520	477	2200	2	3
4139	23536	LKWF	1986	81	1	496	459	1827	2	5
4140	23537	LKWF	1986	81	1	503	462	1470	1	9
4141	23538	LKWF	1986	81	1	429	398	815	1	6
4142	23539	LKWF	1986	81	1	488	445	1450	1	10
4143	23540	LKWF	1986	81	1	519	485	2028	2	4
4144	23541	LKWF	1986	81	1	497	458	1613	1	9
4145	23542	LKWF	1986	81	1	518	476	1851	2	4
4146	23543	LKWF	1986	81	1	480	446	1683	2	4
4147	23544	LKWF	1986	81	1	509	466	1660	2	4
4148	23545	LKWF	1986	81	1	508	458	1689	1	9
4149	23546	LKWF	1986	78	1	431	393	1108	1	10
4150	23547	LKWF	1986	78	1	348	321	612	2	1
4151	23548	LKWF	1986	78	1	389	343	710	2	4
4152	23549	LKWF	1986	77	1	368	336	773	1	10
4153	23550	LKWF	1986	77	1	326	300	479	2	1
4154	23551	LKWF	1986	77	1	326	300	493	2	1
4155	23552	LKWF	1986	77	1	254	230	197	2	1
4156	23553	LKWF	1986	77	1	344	315	635	2	4
4157	23554	LKWF	1986	77	1	390	358	824	1	9
4158	23555	LKWF	1986	77	1	321	294	436	1	10
4159	23556	LKWF	1986	77	1	380	345	826	1	10
4160	23557	LKWF	1986	77	1	294	269	358	1	6
4161	23558	LKWF	1986	77	1	354	323	612	2	2
4162	23559	LKWF	1986	77	1	335	305	571	2	1
4163	23560	LKWF	1986	77	1	.	283	413	2	1
4164	23561	LKWF	1986	77	1	280	241	229	2	1
4165	23562	LKWF	1986	77	1	415	378	1149	2	4
4166	23563	LKWF	1986	77	1	296	268	324	2	1
4167	23564	LKWF	1986	77	1	285	266	294	1	6
4168	23565	LKWF	1986	77	1	378	343	899	2	4
4169	23566	LKWF	1986	77	1	343	311	575	2	1
4170	23567	LKWF	1986	77	1	272	245	283	2	1
4171	23568	LKWF	1986	78	1	351	320	823	1	9
4172	23569	LKWF	1986	78	1	391	353	883	2	4
4173	23570	LKWF	1986	78	1	409	375	1076	1	10
4174	23571	LKWF	1986	78	1	405	367	1016	1	9
4175	23572	LKWF	1986	78	1	344	312	586	2	3
4176	23573	LKWF	1986	78	1	417	377	920	1	9
4177	23574	LKWF	1986	78	1	388	348	791	1	9
4178	23575	LKWF	1986	78	1	368	337	681	1	9
4179	23576	LKWF	1986	78	1	345	316	585	2	1
4180	23577	LKWF	1986	78	1	423	387	1103	1	10

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
4181	23578	LKWF	1986	78	1	390	356	829	2	4
4182	23579	LKWF	1986	78	1	372	340	701	2	2
4183	23580	LKWF	1986	78	1	405	373	1043	1	9
4184	23581	LKWF	1986	78	1	345	319	557	1	9
4185	23582	LKWF	1986	78	1	383	348	789	1	10
4186	23583	LKWF	1986	78	1	339	308	628	2	4
4187	23584	LKWF	1986	78	1	384	345	816	2	4
4188	23585	LKWF	1986	78	1	348	315	592	1	9
4189	23586	LKWF	1986	78	1	400	365	936	2	2
4190	23587	LKWF	1986	78	1	409	369	1000	1	9
4191	23588	LKWF	1986	78	1	397	359	927	2	4
4192	23589	LKWF	1986	78	1	353	321	656	2	4
4193	23590	LKWF	1986	78	1	413	374	994	1	9
4194	23591	LKWF	1986	78	1	344	308	569	2	1
4195	23592	LKWF	1986	78	1	395	360	728	2	2
4196	23593	LKWF	1986	78	1	386	351	774	1	9
4197	23594	LKWF	1986	78	1	391	353	884	1	10
4198	23595	LKWF	1986	78	1	407	371	967	1	9
4199	23596	LKWF	1986	78	1	403	365	919	1	10
4200	23597	LKWF	1986	78	1	380	345	845	1	10
4201	23598	LKWF	1986	78	1	.	350	862	2	4
4202	23599	LKWF	1986	78	1	373	336	798	2	4
4203	23600	LKWF	1986	78	1	.	341	803	2	4
4204	23601	ARCH	1986	63	1	537	480	1077	2	5
4205	23602	ARCH	1986	63	1	502	443	1231	2	5
4206	23603	ARCH	1986	63	1	460	412	1146	1	6
4207	23606	ARCH	1986	63	1	496	439	932	1	10
4208	23607	ARCH	1986	63	1	483	432	1428	2	2
4209	23608	ARCH	1986	63	1	431	385	988	2	2
4210	23609	ARCH	1986	63	1	452	413	1008	1	6
4211	23610	ARCH	1986	63	1	501	452	1533	1	6
4212	23611	ARCH	1986	63	1	557	500	1904	2	2
4213	23612	ARCH	1986	63	1	483	413	1179	2	2
4214	23613	ARCH	1986	63	1	370	336	585	2	1
4215	23614	ARCH	1986	63	1	410	371	810	.	.
4216	23615	ARCH	1986	63	1	389	340	534	.	.
4217	23616	ARCH	1986	63	1	584	536	2551	2	2
4218	23617	ARCH	1986	63	1	556	492	1936	2	2
4219	23618	ARCH	1986	62	1	382	338	636	.	.
4220	23619	ARCH	1986	62	1	357	320	480	.	.
4221	23620	ARCH	1986	62	1	399	355	724	.	.
4222	23621	ARCH	1986	62	1	408	374	794	2	3
4223	23622	ARCH	1986	62	1	407	356	778	2	4
4224	23623	ARCH	1986	62	1	387	348	892	2	4
4225	23624	ARCH	1986	62	1	420	372	893	2	4
4226	23625	ARCH	1986	62	1	367	333	539	.	.
4227	23626	ARCH	1986	62	1	445	393	1035	2	3
4228	23627	ARCH	1986	62	1	400	359	743	2	3
4229	23628	ARCH	1986	62	1	441	398	920	1	6
4230	23629	ARCH	1986	62	1	404	380	899	1	9
4231	23630	ARCH	1986	62	1	464	412	1102	2	4
4232	23631	ARCH	1986	62	1	420	369	786	1	10
4233	23632	ARCH	1986	62	1	430	386	884	2	4
4234	23633	ARCH	1986	61	1	497	445	1052	1	9
4235	23634	ARCH	1986	61	1	451	403	904	2	3
4236	23635	ARCH	1986	61	1	548	476	1745	2	3
4237	23636	ARCH	1986	61	1	455	404	1805	2	4
4238	23637	ARCH	1986	61	1	480	433	1008	1	9
4239	23638	ARCH	1986	61	1	506	456	1521	1	6
4240	23640	ARCH	1986	61	1	446	399	783	2	4
4241	23641	ARCH	1986	61	1	384	344	509	1	6
4242	23642	ARCH	1986	63	1	470	426	1212	2	1
4243	23643	ARCH	1986	63	1	443	394	684	1	9
4244	23644	ARCH	1986	63	1	536	478	1108	2	5
4245	23645	ARCH	1986	63	1	460	417	985	2	1
4246	23646	ARCH	1986	63	1	402	365	758	1	6
4247	23647	ARCH	1986	63	1	571	518	1422	2	5
4248	23648	ARCH	1986	63	1	519	468	1443	2	1
4249	23649	ARCH	1986	63	1	619	563	2494	2	5
4250	23650	ARCH	1986	63	1	476	430	947	2	2
4251	23651	ARCH	1986	63	1	487	440	1337	2	2
4252	23652	ARCH	1986	63	1	478	438	1259	.	.
4253	23653	ARCH	1986	63	1	472	423	794	2	2
4254	23654	ARCH	1986	63	1	405	360	541	1	9
4255	23655	ARCH	1986	63	1	420	378	828	.	.
4256	23656	ARCH	1986	63	1	520	467	1064	2	2
4257	23657	ARCH	1986	63	1	558	508	1785	2	2
4258	23658	ARCH	1986	63	1	380	343	620	1	6
4259	23659	ARCH	1986	63	1	402	380	882	1	9
4260	23660	ARCH	1986	63	1	542	494	1823	2	2
4261	23661	ARCH	1986	63	1	561	505	1479	2	5
4262	23662	ARCH	1986	63	1	466	418	1206	.	.
4263	23663	ARCH	1986	63	1	515	464	1713	2	1
4264	23664	ARCH	1986	63	1	560	507	1844	2	5
4265	23665	ARCH	1986	63	1	500	456	1249	2	5
4266	23666	ARCH	1986	63	1	575	518	1254	2	5
4267	23667	ARCH	1986	63	1	516	466	1288	2	5
4268	23668	ARCH	1986	62	1	402	363	774	2	4
4269	23669	ARCH	1986	62	1	489	415	1052	2	4
4270	23670	ARCH	1986	62	1	393	354	681	1	10
4271	23671	ARCH	1986	62	1	427	379	776	2	4
4272	23672	ARCH	1986	62	1	482	416	1068	2	4
4273	23673	ARCH	1986	62	1	384	342	580	2	4
4274	23674	ARCH	1986	62	1	442	394	1000	1	6
4275	23675	ARCH	1986	62	1	478	425	1087	2	4
4276	23676	ARCH	1986	62	1	472	418	1126	2	4
4277	23677	ARCH	1986	62	1	431	385	833	2	4
4278	23678	ARCH	1986	62	1	.	394	853	2	1
4279	23679	ARCH	1986	62	1	316	287	330	.	.
4280	23680	ARCH	1986	62	1	433	392	922	2	1
4281	23681	ARCH	1986	61	1	526	466	1358	1	10
4282	23682	ARCH	1986	61	1	512	462	1302	1	6
4283	23683	ARCH	1986	61	1	549	489	1779	2	2
4284	23684	ARCH	1986	61	1	428	385	572	2	4
4285	23685	ARCH	1986	61	1	545	488	1682	2	4
4286	23686	ARCH	1986	61	1	443	395	862	1	10
4287	23687	ARCH	1986	61	1	428	385	815	2	4
4288	23688	ARCH	1986	58	1	485	435	1071	2	4
4289	23689	ARCH	1986	63	1	444	398	920	2	2
4290	23690	ARCH	1986	63	1	394	351	538	2	5

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LUC	SLOC	FRL	STL	WT	SEX	MAT
4291	23691	ARCH	1986	63	1	295	263	265	1	6
4292	23692	ARCH	1986	63	1	332	298	425	.	.
4293	23693	ARCH	1986	63	1	470	423	1039	1	7
4294	23694	ARCH	1986	63	1	446	398	1047	2	2
4295	23695	ARCH	1986	63	1	373	332	527	2	2
4296	23696	ARCH	1986	63	1	.	400	1078	2	1
4297	23697	ARCH	1986	63	1	342	301	408	2	1
4298	23698	ARCH	1986	63	1	423	379	628	2	2
4299	23699	ARCH	1986	63	1	527	474	1632	2	2
4300	23700	ARCH	1986	63	1	426	383	879	2	2
4301	23701	ARCH	1986	63	1	441	395	927	2	1
4302	23702	ARCH	1986	63	1	516	459	1292	2	2
4303	23703	ARCH	1986	63	1	540	473	1310	2	5
4304	23704	ARCH	1986	63	1	510	459	1076	2	5
4305	23705	ARCH	1986	63	1	495	444	943	2	5
4306	23706	ARCH	1986	62	1	419	373	829	2	4
4307	23707	ARCH	1986	62	1	332	298	454	1	8
4308	23708	ARCH	1986	61	1	482	425	1044	1	9
4309	23709	ARCH	1986	61	1	565	503	1582	1	9
4310	23710	ARCH	1986	61	1	518	463	1246	1	9
4311	23711	ARCH	1986	61	1	611	547	2248	1	9
4312	23712	ARCH	1986	61	1	.	412	1037	2	3
4313	23713	ARCH	1986	61	1	481	401	866	2	3
4314	23714	ARCH	1986	61	1	411	364	714	2	4
4315	23715	ARCH	1986	61	1	427	383	718	2	5
4316	23716	ARCH	1986	61	1	564	507	1204	2	5
4317	23717	ARCH	1986	64	1	484	425	1096	1	7
4318	23718	ARCH	1986	64	1	510	470	1474	2	2
4319	23719	ARCH	1986	64	1	446	404	94	2	2
4320	23720	ARCH	1986	64	1	417	385	807	1	6
4321	23721	ARCH	1986	64	1	456	422	984	2	1
4322	23722	ARCH	1986	64	1	437	402	874	0	0
4323	23723	ARCH	1986	64	1	503	462	1557	1	6
4324	23724	ARCH	1986	64	1	441	401	1085	2	2
4325	23725	ARCH	1986	64	1	474	432	1079	1	6
4326	23726	ARCH	1986	64	1	481	436	1221	2	2
4327	23727	ARCH	1986	64	1	495	454	1212	2	2
4328	23728	ARCH	1986	64	1	431	393	846	2	1
4329	23729	ARCH	1986	64	1	483	443	1338	1	6
4330	23730	ARCH	1986	64	1	468	430	1197	2	1
4331	23731	ARCH	1986	64	1	471	431	1180	2	2
4332	23732	ARCH	1986	64	1	438	398	920	2	2
4333	23733	ARCH	1986	64	1	494	458	1477	2	2
4334	23734	ARCH	1986	64	1	495	457	1382	2	2
4335	23735	ARCH	1986	64	1	457	423	1041	2	2
4336	23736	ARCH	1986	64	1	532	491	1916	1	7
4337	23737	ARCH	1986	58	1	511	455	1244	2	4
4338	23738	ARCH	1986	58	1	486	430	1093	2	4
4339	23739	ARCH	1986	58	1	556	502	1672	1	10
4340	23740	ARCH	1986	58	1	526	474	1376	1	9
4341	23741	ARCH	1986	58	1	577	523	1726	2	3
4342	23742	ARCH	1986	58	1	662	597	2592	1	10
4343	23743	ARCH	1986	58	1	509	461	1422	2	3
4344	23744	ARCH	1986	58	1	524	473	1516	2	3
4345	23745	ARCH	1986	58	1	608	543	1889	1	9
4346	23746	ARCH	1986	58	1	500	455	1287	2	4
4347	23747	ARCH	1986	58	1	407	372	689	2	3
4348	23748	ARCH	1986	58	1	539	482	1563	2	3
4349	23749	ARCH	1986	58	1	500	450	1359	2	4
4350	23750	ARCH	1986	58	1	566	509	1727	2	3
4351	23751	ARCH	1986	58	1	525	475	1343	2	4
4352	23752	ARCH	1986	58	1	536	483	1432	2	4
4353	23753	ARCH	1986	58	1	492	450	1228	2	3
4354	23754	ARCH	1986	58	1	517	464	1539	2	3
4355	23755	ARCH	1986	58	1	486	430	987	1	10
4356	23756	ARCH	1986	58	1	496	442	1256	2	4
4357	23757	ARCH	1986	59	1	463	417	938	1	6
4358	23758	ARCH	1986	59	1	517	470	1394	2	4
4359	23759	ARCH	1986	59	1	559	504	1173	2	5
4360	23760	ARCH	1986	59	1	523	477	1128	1	9
4361	23761	ARCH	1986	59	1	556	504	1298	2	5
4362	23762	ARCH	1986	59	1	535	478	1080	2	5
4363	23763	ARCH	1986	59	1	408	374	714	2	1
4364	23764	ARCH	1986	59	1	560	511	1923	2	3
4365	23765	ARCH	1986	59	1	500	451	1271	2	3
4366	23766	ARCH	1986	59	1	558	508	1815	2	2
4367	23767	ARCH	1986	59	1	554	499	1140	2	5
4368	23768	ARCH	1986	59	1	512	467	1042	2	5
4369	23769	ARCH	1986	59	1	478	332	1183	2	3
4370	23770	ARCH	1986	59	1	480	440	1031	1	6
4371	23771	ARCH	1986	59	1	612	558	1586	2	5
4372	23772	ARCH	1986	59	1	598	542	1897	2	4
4373	23773	ARCH	1986	59	1	562	507	1385	2	5
4374	23774	ARCH	1986	59	1	512	462	989	2	5
4375	23775	ARCH	1986	59	1	551	498	1263	2	5
4376	23776	ARCH	1986	59	1	543	488	1184	2	5
4377	23777	ARCH	1986	64	1	475	432	1189	2	2
4378	23778	ARCH	1986	64	1	470	433	1144	2	2
4379	23779	ARCH	1986	64	1	413	382	800	1	6
4380	23780	ARCH	1986	64	1	548	502	1762	2	5
4381	23781	ARCH	1986	64	1	501	455	1331	2	2
4382	23782	ARCH	1986	64	1	495	449	1455	2	2
4383	23783	ARCH	1986	64	1	453	419	1078	1	6
4384	23784	ARCH	1986	64	1	435	395	966	2	2
4385	23785	ARCH	1986	64	1	470	432	1325	2	2
4386	23786	ARCH	1986	64	1	464	426	1118	2	1
4387	23787	ARCH	1986	64	1	444	408	996	1	6
4388	23788	ARCH	1986	64	1	498	455	1411	2	1
4389	23789	ARCH	1986	64	1	440	404	939	2	2
4390	23790	ARCH	1986	64	1	493	454	1474	1	6
4391	23791	ARCH	1986	64	1	513	470	1764	2	2
4392	23792	ARCH	1986	64	1	492	450	1393	2	2
4393	23793	ARCH	1986	64	1	448	410	910	2	2
4394	23794	ARCH	1986	64	1	520	478	1436	2	2
4395	23795	ARCH	1986	64	1	510	467	1534	2	2
4396	23796	ARCH	1986	64	1	515	474	1573	1	6
4397	23797	ARCH	1986	64	1	417	382	746	1	6
4398	23798	ARCH	1986	64	1	418	387	777	1	6
4399	23799	ARCH	1986	64	1	438	400	879	2	1
4400	23800	ARCH	1986	64	1	440	400	806	2	1

Table 4. (cont'd).

OBS	ID	SPECIES	YEAR	LOC	SLOC	FRL	STL	WT	SEX	MAT
4401	23801	ARCH	1986	64	1	403	367	656	2	1
4402	23802	ARCH	1986	64	1	512	464	1238	2	1
4403	23803	ARCH	1986	64	1	401	371	795	2	1
4404	23804	ARCH	1986	64	1	489	442	1267	1	6
4405	23805	ARCH	1986	64	1	499	447	1435	2	1
4406	23806	ARCH	1986	64	1	531	484	1575	2	2
4407	23807	ARCH	1986	59	1	580	531	1560	2	5
4408	23808	ARCH	1986	59	1	561	501	1183	2	5
4409	23809	ARCH	1986	59	1	570	515	1941	2	4
4410	23810	ARCH	1986	59	1	531	474	1401	2	4
4411	23811	ARCH	1986	59	1	538	480	1177	2	5
4412	23812	ARCH	1986	59	1	500	450	835	2	5
4413	23813	ARCH	1986	59	1	586	527	1318	2	5
4414	23814	ARCH	1986	59	1	489	432	905	2	4
4415	23815	ARCH	1986	59	1	583	530	1545	2	5
4416	23816	ARCH	1986	59	1	482	435	1129	2	4
4417	23817	ARCH	1986	59	1	445	492	1311	2	5
4418	23818	ARCH	1986	59	1	495	441	1142	1	9
4419	23819	ARCH	1986	59	1	521	471	1006	2	5
4420	23820	ARCH	1986	59	1	411	367	779	2	3
4421	23821	ARCH	1986	59	1	569	511	1902	2	4
4422	23822	ARCH	1986	58	1	549	496	1648	1	9
4423	23823	ARCH	1986	58	1	350	312	391	1	8
4424	23824	ARCH	1986	58	1	510	460	1254	1	9
4425	23825	ARCH	1986	58	1	520	467	1452	2	4
4426	23826	ARCH	1986	58	1	517	472	1212	2	4
4427	23827	ARCH	1986	60	1	198	178	79	2	4
4428	23828	ARCH	1986	60	1	171	152	60	2	3
4429	23829	ARCH	1986	60	1	178	156	60	2	4
4430	23830	ARCH	1986	60	1	168	148	50	1	9
4431	23831	ARCH	1986	60	1	210	194	124	1	9
4432	23832	ARCH	1986	60	1	139	124	32	1	9
4433	23833	ARCH	1986	60	1	144	127	34	2	4
4434	23834	ARCH	1986	60	1	148	132	37	1	6
4435	23835	ARCH	1986	60	1	141	124	33	2	1
4436	23836	ARCH	1986	60	1	131	116	27	1	9
4437	23837	ARCH	1986	60	1	.	142	40	2	1
4438	23838	ARCH	1986	60	1	178	158	66	1	9
4439	23839	ARCH	1986	60	1	142	125	34	2	4
4440	23840	ARCH	1986	60	1	.	132	35	2	4
4441	23841	ARCH	1986	60	1	150	134	37	1	9
4442	23842	ARCH	1986	60	1	149	136	35	1	9
4443	23843	ARCH	1986	60	1	.	129	29	1	6
4444	23844	ARCH	1986	60	1	.	90	11	0	0
4445	23845	ARCH	1986	60	1	.	74	8	1	7
4446	23846	ARCH	1986	60	1	113	99	15	2	1
4447	23847	ARCH	1986	60	1	.	74	7	0	0
4448	23848	ARCH	1986	60	1	117	102	19	1	9
4449	23849	ARCH	1986	60	1	99	87	9	0	0
4450	23850	ARCH	1986	60	1	95	86	9	0	0
4451	23851	ARCH	1986	60	1	111	99	15	1	9
4452	23852	ARCH	1986	60	1	.	80	9	0	0
4453	23853	ARCH	1986	60	1	.	95	13	0	0
4454	23854	ARCH	1986	60	1	139	125	27	1	6
4455	23855	ARCH	1986	60	1	166	150	57	1	9
4456	23856	ARCH	1986	60	1	159	141	48	2	4
4457	23857	ARCH	1986	60	1	207	182	86	1	9
4458	23858	ARCH	1986	60	1	210	185	100	2	4
4459	23859	ARCH	1986	60	1	176	158	70	1	9

Notes: 1. Number out of sequence.

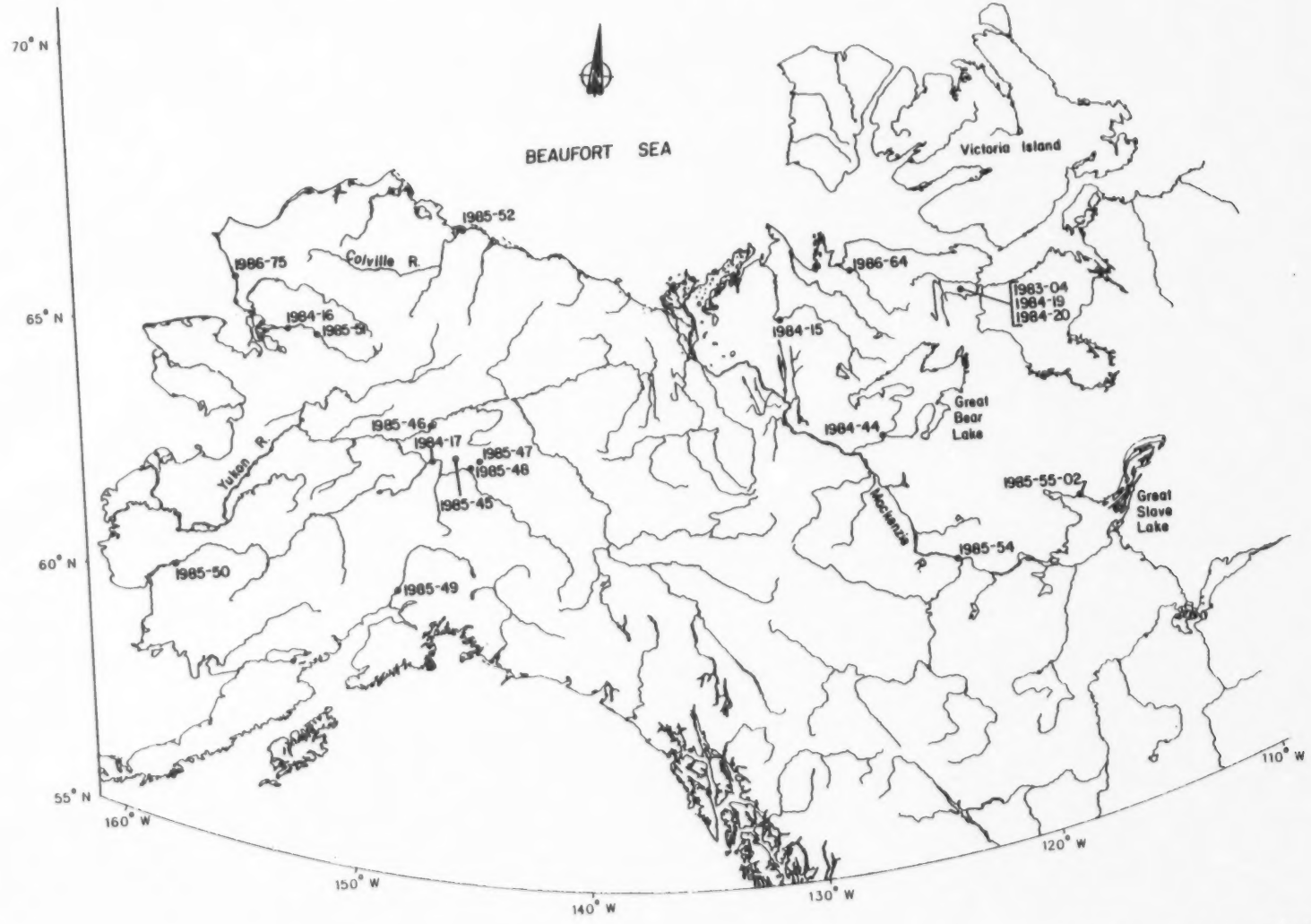

Figure 1. Major water systems of northwestern North America. Numbers refer to collection numbers listed in Table 2. For detail of lower Mackenzie basin see Figure 2.

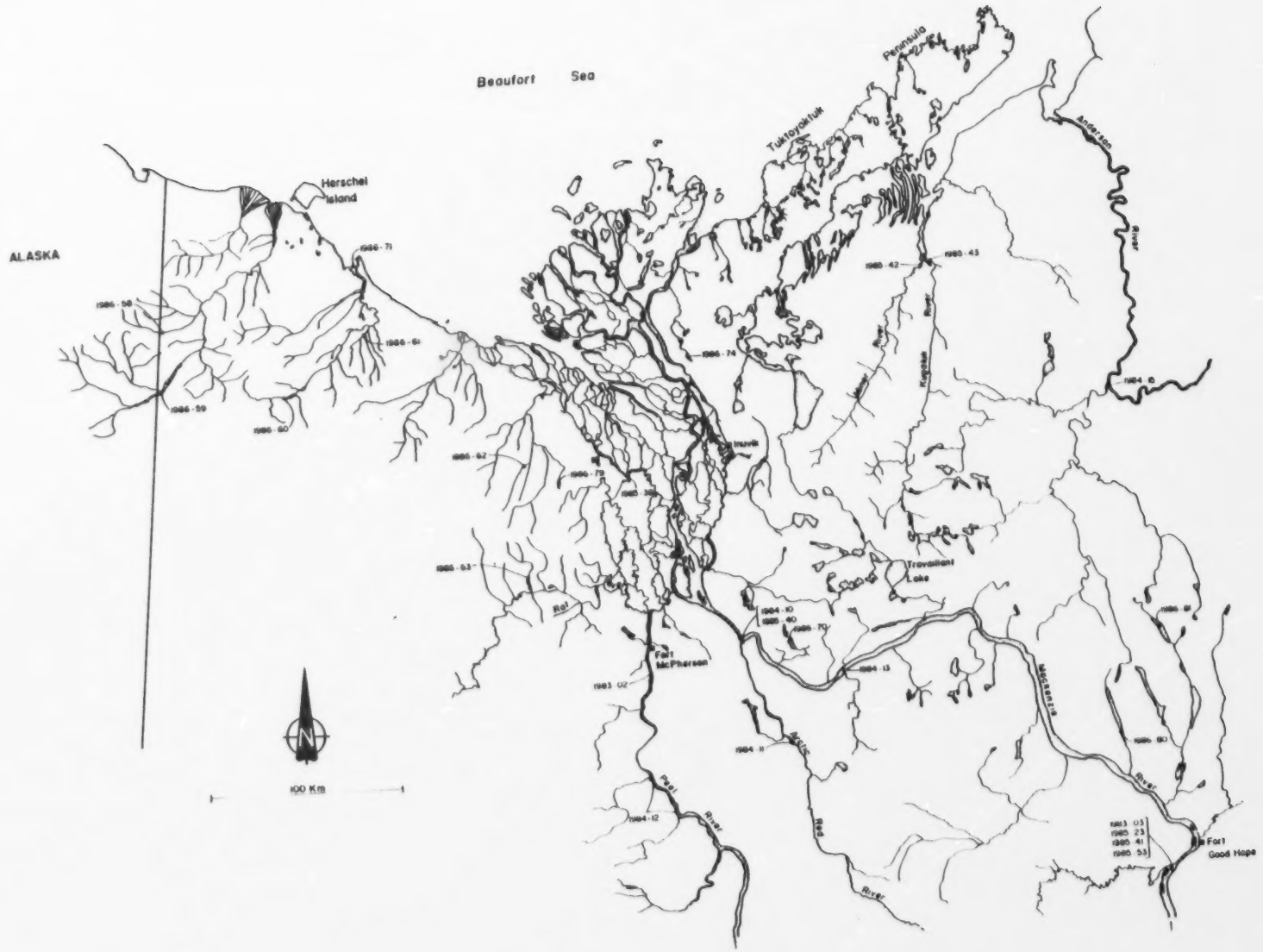

Figure 2. The lower Mackenzie River system and nearby water bodies. Numbers refer to collection numbers listed in Table 2. For additional detail of the Tuktoyaktuk Peninsula see Figure 3; for central delta see Figure 4; for Travaillant system see Figure 5; and, for upper Rat River system see Figure 6.

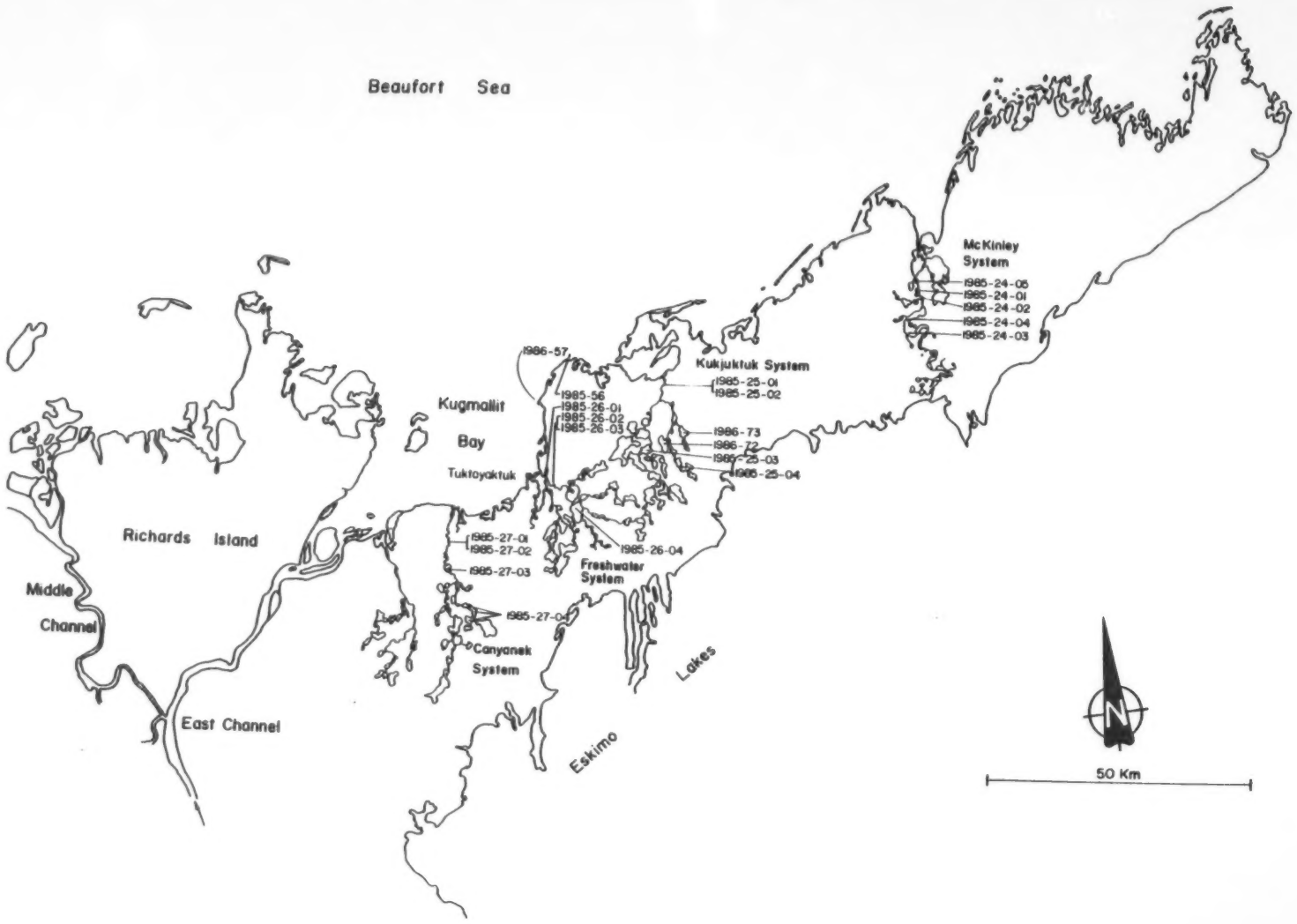

Figure 3. Collection numbers (see Table 2) assigned to fish collections from the Tuktoyaktuk Peninsula (see Strange and MacDonnell 1985).

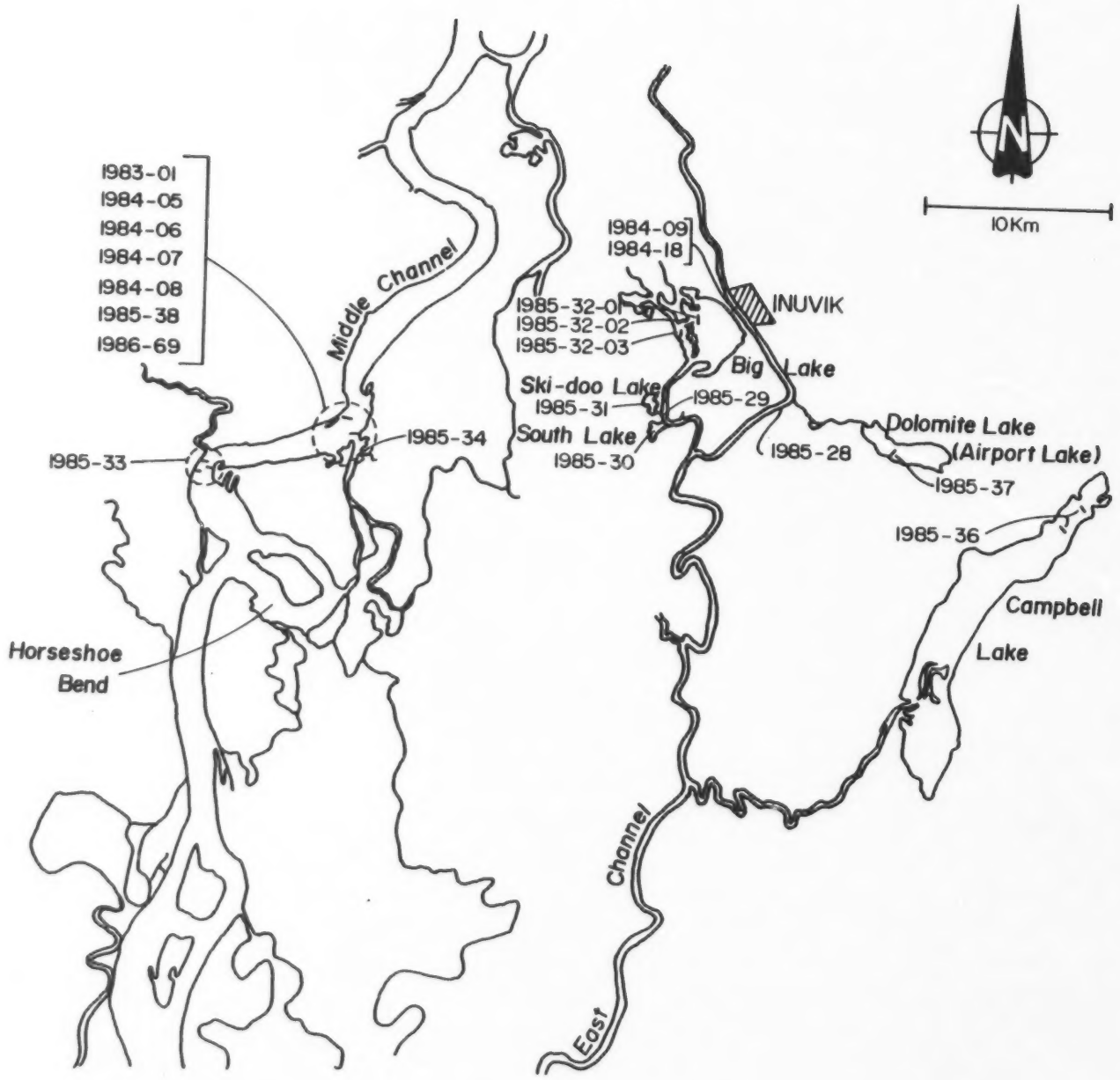

Figure 4. Collection numbers (see Table 2) assigned to fish collections from the central Mackenzie Delta (see also Strange and MacDonnell 1985).

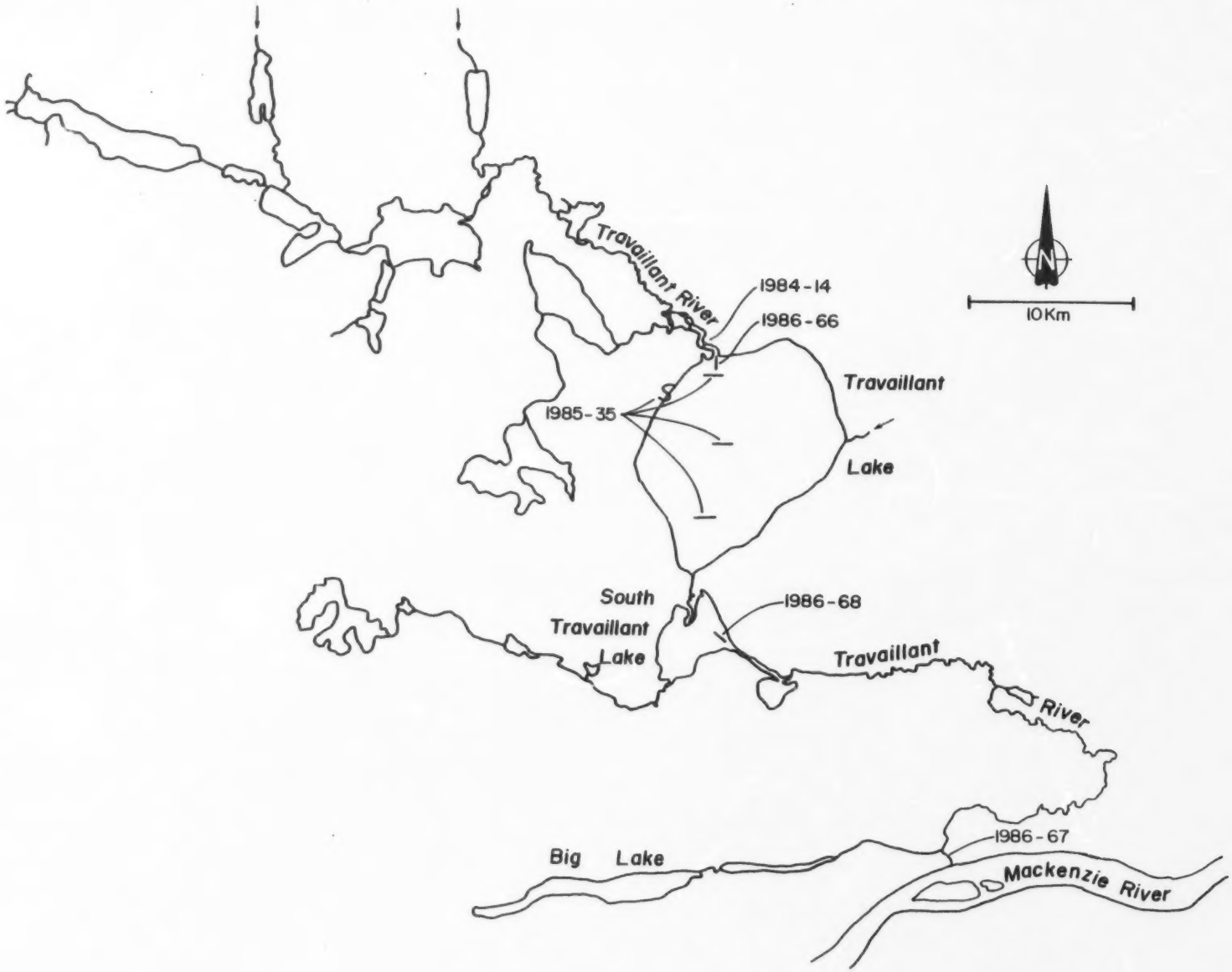

Figure 5. Detail of the Travaillant System with locations of fish collections (see Table 2).

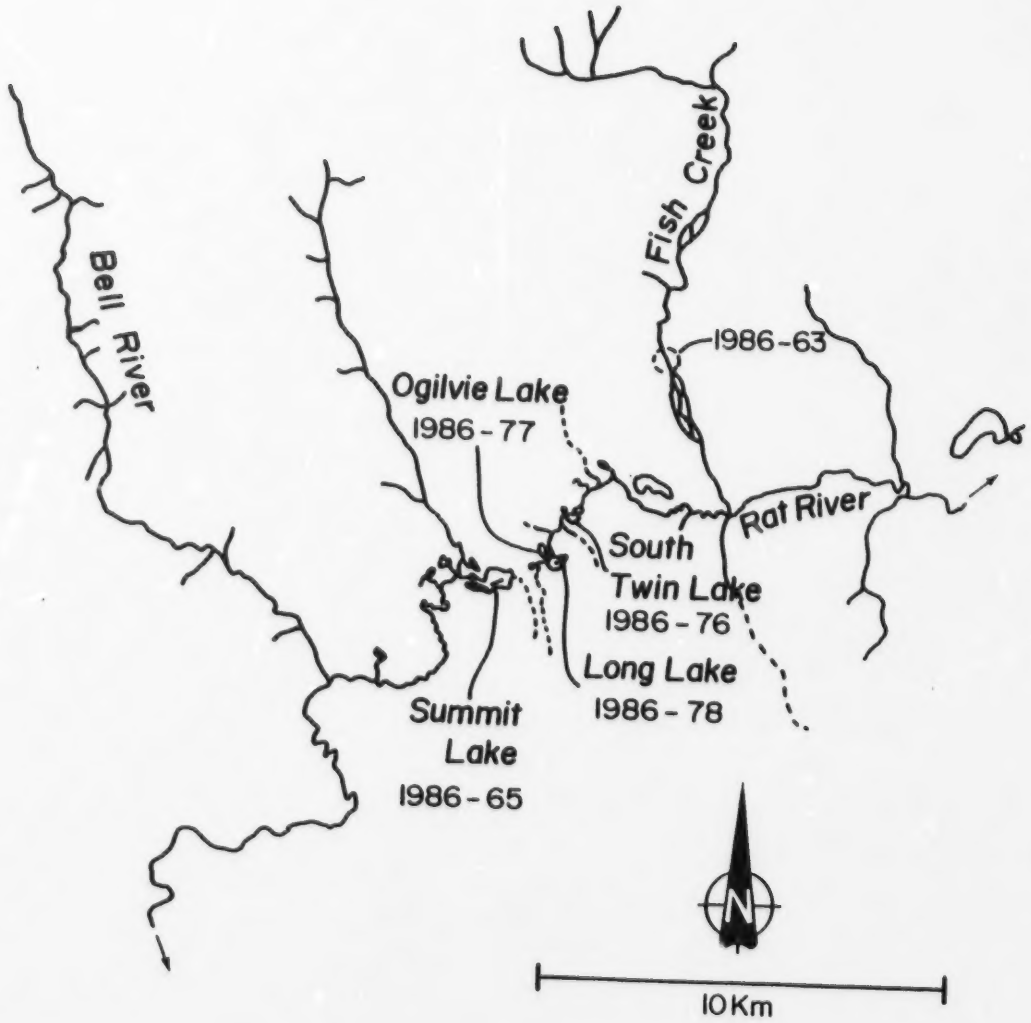

Figure 6. Detail of the upper Rat River System with locations of fish collections (see Table 2).